KV-C2561A/B/E

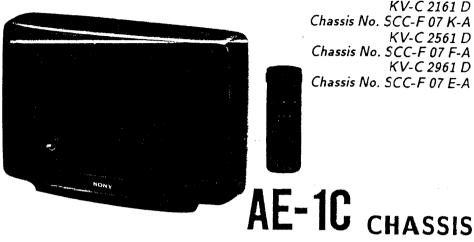
MODEL

SERVICE MANUAL

KV-C2161D/C2561D/C2961D

RM-816

SERVICE MANUAL



AEP Model

Chassis No. SCC-F 07 K-A

KV-C 2561 D Chassis No. SCC-F 07 F-A

KV-C 2961 D

Chassis No. SCC-F 07 E-A

MODELS OF THE SAME SERIES KV-C2161D/C2561D/C2961D KV-C2551D/C2951D KV-X2551D/X2951D

SPECIFICATIONS

[KV-C 2161 D, KV-C 2561 D, KV-C 2961 D]

Television system

Color system Stereo system

Channel coverage

Picture tube

B/G/H

PAL, SECAM, NTSC3.58, NTSC4.43

GERMAN stereo

VHF: E2-E12 UHF: E21-E69

CABLE TV (1) : S1-S41

CABLE TV (2) : S 01-S 05, M 1-M 10, U 1-U 10

HI-Black Trinitron tube

Approx. 54.5 cm (21 inches) (KV-C 2161 D)

(Approx. 51 cm picture measured diagonally)

100 ° degree deflection

Approx. 63.5 cm (25 inches) (KV-C 2561 D)

(Approx. 59 cm picture measured diagonally)

110 ° degree deflection

Approx. 72.4 cm (29 inches) (KV-C 2961 D)

(Approx. 68 cm picture measured diagonally)

110 ° degree deflection

Inputs / Outputs Terminals

REAR

-Ö 21 pin Euro connector

-Inputs for audio and vide sign als

(CENELEC standard) -Inputs for RGB

-Outputs of TV video and audio signals

G-2/-921-pin Euro

connector

-Inputs for audio and vide sign als

-Inputs for S-video

-Outputs for video and audio signals

(selectable)

→ Audio output(vartable)

-phono jacks

FRONT

-D Video input phono jack

◆ Audio inputs (L,R) phono jacks

S-video Inputs-4 pin DIN

Headphone jack: stereo mini jack

-Continued no next page-





Sound output

Dimensions

Weight

Power consumption

15 W + 15 W

87 Wh (KV-C2161D) 101 Wh (KV-C2561D)

108 Wh (KV-C2961D)

infrared control Remote control system

Power requirements

[RM-816]

3V dc

2 batteries IEC designation

R6 (size AA)

Approx. $645 \times 433 \times 495 \text{ mm (w/h/d)}$ (KV-C2161D)

Approx. $720 \times 497 \times 480 \text{ mm } (w/h/d)$

(KV-C2561D)

Dimentions Weight

Approx. $75 \times 221 \times 23$ mm(w/h/d) Approx. 230g (including batters)

Accessories supplied

IEC designation R6 batteries (2)

Approx. $814 \times 558 \times 508 \text{ mm (w/h/d)}$

(KV-C2961D)

Approx. 25kg (KV-C2161D)

Approx. 38kg (KV-C2561D)

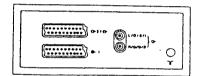
Approx. 52kg (KV-C2961D)

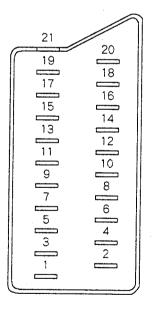
Design and specifications are subject to change without notice.

Supplied accessories

RM-816 Remote Commander (1) IEC designation R6 batteries (2)

21 pin connector (△1 → 2)





Pin No	1	2	4	Signal	Signal level
1	0	0	0	Audio output B (right)	Standard level: 0.5Vrms Output impedance: Less than 1kohm*
2	0	0	0	Audio input B (right)	Standard level: 0.5Vrms Input impedance: More than 10kohms *
3	0	0	0	Audio output A (left)	Standard level: 0.5Vrms Output impedance: Less than 1kohm *
4	0	0	0	Ground (audio)	
5	0	0	0	Ground (blue)	
6	0	0	0	Audio input A (left)	Standard level: 0.5Vrms Input impedance: More than 10kohms *
. 7	0	•	•	Blue input	0.7 ± 3dB, 75ohms, positive
8	0	0	0	Function select (AV control)	High state (9.5 - 12V): Part mode Low state (0 - 2V): TV mode Input impedance: More than 10kohms Input capacitance: Less than 2nF
9	0	0	0	Ground (green)	
10	0	0	0	Open	
11	0	•	•	Green	Green signal: 0.7V ± 3dB, 75chms, positive
12	0	0	0	Open	
13	0	0	0	Ground (red)	
14	0	0	0	Ground (blanking)	
	0	-	-	Red input	0.7V ± 3dB, 75ohms, positive
15	-	0	0	(S signal) croma input	0.3V ± 3dB, 75ohms, positive
16	0	•	•	Bianking input (Ys signal)	High state (1 - 3V) Low state (0 - 0.4 V) Input impedance: 75ohms
17	0	0	0	Ground (video output)	
18	0	0	0	Ground (video input)	
19	0	0	0	Video output	1V ± 3dB, 75ohms, positive Sy: 2: 0.3V (- 3, +
	0	-	-	Video input	1V ± 3dB, 75ohms, positive Sync : 0.3V (- 3, +
20	-	0	0	Video Input∕Y (S signal)	$1V \pm 3$ dB, 75ohms, positive Sync : 0.3V (- 3. + 10dB)
21	0	0	0	Common ground (plug	shield)

O Connected

unconnected (open)

* at 20Hz - 20kHz

4 Pin connector (19)

Pin No	Signal	Signal level
1	Ground	
2	Ground	
3	Y (S signal) input	$1V \pm 3dB$ 750hm, positive Sync $0.3V_{+10}^{-3} dB$
4	C (S signal) input	0.3V ± 3dB 75ohm, positive

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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK

ON THE SCHEMATIC DIAGRAMS, EXPLODED
VIEWS AND IN THE PARTS LIST ARE CRITICAL TO
SAFE OPERATION. REPLACE THESE COMIONIENTS
WITH SONY PARTS WHOSE PART NUMBERS APPEAR
AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS
PUBLISHED BY SONY.

GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the

Operating Instruction Manual remein as in the manual.

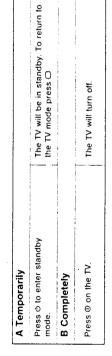
7 Hz; 122 14:1-1-1. SWITCHING ON/OFF

After you have completed the basic preparation your TV is ready to be connected to the mains power supply (220/240V AC, 50Hz).

5 How to turn the TV

TV may be in the standby mode.
Press ○ or any number button on the commander to switch it on. Note: If the screen remains blank, the The TV will turn on. Θ Press @ on the TV. Action

How to turn the TV off



1-2. PRESETTING

TV stations broadcast their channels at certain frequencies. You must preset these channels to programme numbers on this TV before you can watch the TV After you have installed this TV you need to preset TV channels.

There are 60 spaces for storing these channels.

Slide open the full function side of the remote commander to reveal preset buttons.

How to preset channels automatically

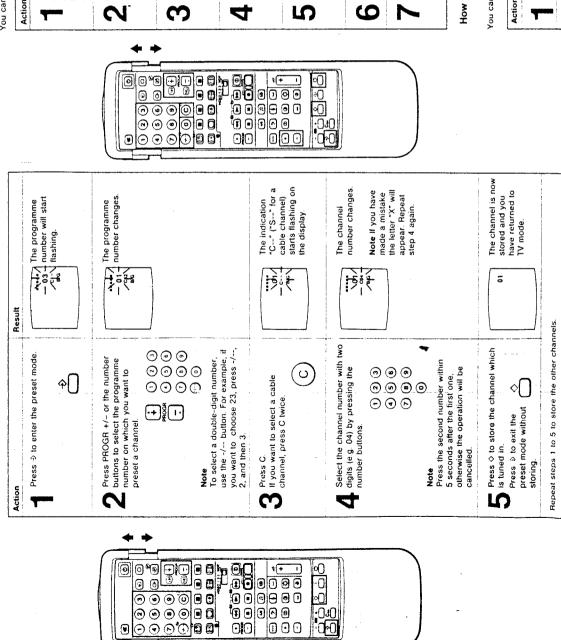
If you are unfamiliar with the channel numbers of the stations you wish to preset, use "How to preset channels automatically". If you are familiar with the channel numbers refer to "How to preset T.V. channels directly".

Action	Result
Press \Rightarrow to enter the preset mode.	The programme of the pr
Press PROGR + or - or the number buttons to select the programme number to which you want to preset channels.	The programme — 03 number changes
Press (FEB + or - once to search for channels:	When a channel is took the search will stop. - cw will stop. Note I you want to skip a channel, press EE!
Press ♦ If you want to store the channel which is tuned in. Press ♣ to exit preset ♠ mode without storing.	The channel is now stored and you have returned to TV mode.
S other channels.	

<u>0</u>0000

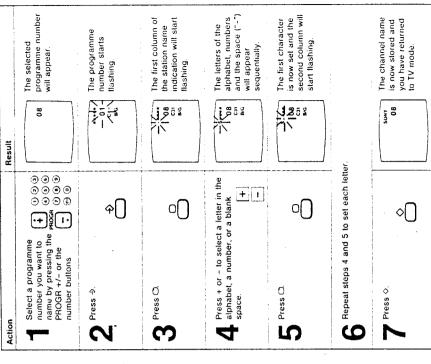
Note: These buttons should be used in preset mode only.

How to preset channels directly



How to Name a Station

You can use up to five characters to "name" a channel or station (i.e. BBC1).



How to tune in a channel temporarily

You can tune a channel in temporarily, if it has not been preset

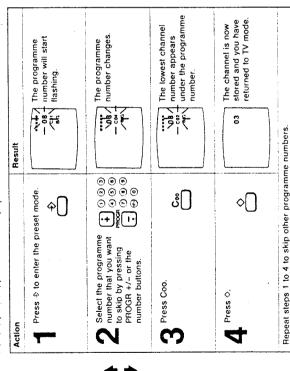
Action	Result
	The indication "C" ("S" for cable channels) appears on the screen.
Select the channel number with two digits by pressing the number buttons (e.g. for channel 4, first press 0, then 4.)	The channel is received, but it is not stored to any programme number.

000

1-3. BASIC TV OPERATION

How to Skip Programmes

Using the PROGR +/- buttons you can skip unused programme channel numbers. However, the skipped numbers may still be called up using the number buttons



How to Fine Tune Manually

.0.0 .0.0 .0.0 .0.0 If the picture is distorted, you can fine tune the channel manually.

Action	Result
Press 函 + or – repeatedly until the picture looks normal.	The indication $\leftarrow F \rightarrow$ appears on the screen.
Press → to enter the preset mode.	The programme number starts flashing.
Press ♦.	The fine tuning is stored.

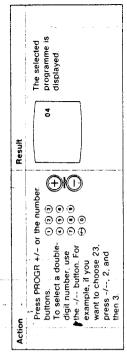
Note: The automatic fine tuning will function again when you preset the channel once more.

This section introduces you to the basic control functions which are available on the simple sidn of the remote commander.

How to Select Programmes

Note: Press 1 on door to open.

Before you can select programmes make sure that you have preset channels.



0+7-4

How to Adjust the Volume

+

 \oplus \mathbb{I}

Action	Resul
Press A + or	7

How to Use Additional Functions

How to operate with the buttons on the TV

You can also select programmes and adjust the volume using the P→Δ→€ and →++ buttons on the front of the TV. For operation, first press the P→Δ→€ button repeatedly so that the P (for programme) or Δ (for volume) indication appears on the screen, and then adjust with the →+ ← +/- buttons.

How to view the teletext

Press

■. To return to the TV mode, press

For details about the teletext operation.

How to view the video input picture

Press ⊕ To return to the TV mode, press ⊖. For further details.

 \odot

1-4. ADVANCED TV OPERATION

This section shows you how to use convenient features and how to adjust the picture and sound to your taste. Use the full-function side of the Remote Commander.

How to use on-screen display and special sound features

You can enjoy the following convenient features.

A-Q-A

How to	Action	To resume normal picture/sound
Display on-screen indications	Press (A	Indications disappear after some seconds
Display programme numbers	Press @twice ·	Press (Iwice again.
Mute the sound	Press a≰.	Press of again.
Select a language in bitingual programmes	Press A/B. Tt.? selected mode of the A-(1)-B indicator on the TV lights up.	Press A/B.
Set the sound to music listening position	Press [].	Press Д again
Use the space sound (special acoustic effect)	Press 🕀	Press 😝 again.
Request the time	Press (C)	Press 🖾 again.

How to adjust the picture and sound

Although the picture and sound have been adjusted at the factory, you might want to adjust them to your own taste. To do this, please follow the steps.

For picture adjustment

To Actust:	Press:	Then:	Result: (+ ← -)
Picture:			
Colour Intensity	•		More ← Less
Picture Contrast	•	[-	More ← Less
Brightness	٥	<u>+</u>]	Bright → Dark
Hue (for NTSC only)	· <u>}</u>	· •	Reddish ← Greenish
			Sharp Soft
Sound			
cound.			
Bass	~	[More → Less
Treble	-	<u>+</u>] [More ← Less
Balance	3	T	More Right/More Left

To reset the picture and sound to factory set levels press -+·+

On the set:
PIESS ----+/- buttons simultaneously

How to select a NICAM broadcast

Nicam, the txt symbol appears. To check if the channel you are watching is receiving Nicam, press the on screen display button Q on the full function side of the remote Whenever a Nicam broadcast is received, the tod symbol appears briefly on the screen. When the Nicam programme ends, or you switch channels to one without This Sony TV has been designed to select Nicam broadcasts when available.

How to select the sound of your choice

Nicam programmes can be broadcast in three ways. You may select the sound you want to hear in each of these, by pressing the button on the full function side of the remote commander.

-A-CD-B

Nicam service being broadcast	Action	The sound you hear Indication on the TV A∪B	Indication TV A⊡B	on the
Stereo		Stereo	中上	京
	Press A/B	Normal		
	Press A/B again to return to stereo	return to stereo		1
Mono		Mono	沪	
	Press A/B	Normal		
	Press A/B again to	Press A/B again to return to Nicam mono.		

Bilingual	**************************************	Language A	二十二	
	Press A/B	Language B		小
	Press A/B	Normally broadcast language		
	Press A/B again to return to language	Press A/B again to return to language A		

ユ

· Depending on availability of service.

1-5. TELETEXT OPERATION

TV stations broadcast letetext programmes via the TV channels. To receive teletext programmes, use the buttons indicated in green on the full side of the Remote Commander.

With the simple side of the Remote Commander, only the basic operation is possible.

How to View the Teletext

Action	Result	
Select the channel which carries the teletext service you wish to see.	The channel changes on the screen.	
Press @	Teletext will appear. If the teletext signal is not broadcast, then is not broadcast, then proof	
Input three digits for the page number using the number buttons. Note If you make a mistake, type in any three digits, then re-enter the correct page number.	The numbers are entered on the screen. The requested page will appear in a few seconds.	
To return to the TV mode. Press C. To change the teletext channels First press C to return to the TV mode, then repeat steps 1 to 3.	e, then repeat steps 1 to 3.	

Note If the signal of the TV channet is weak, teletext errors may often occur.

How to Use the Advanced Features of Teletext

How to	Action	Result (On-screen display)
Request the index page.	Press © (INDEX).	The index page index page appears.
Request the subtitle page (p888).	Press O.	The subtitle page is displayed (p888).
Access the next or preceding page.	Press 🙃 (PAGE +) or 😁 (PAGE -).	P201 The next or preceding page appears.

How to	Action	Result
Superimpose the teletext display on the TV programme.	Press ® once if you are in text mode, or press ® twice if in TV mode. To return to the normal teletext display press ® again.	displays are superimposed on the TV programmes.
Prevent a teletext page from being updated or changed.	Press ⊕ (HOLD). To resume normal teletext reception, press ⊜ (TEXT/MIX).	The HOLD symbol (B) appears on the screen and the chosen sub-page is held until you cancel.
Enlarge the teletext display.	Fress ® once to enlarge the upper half. Press twice to enlarge the lower half. Press again to restore the normal display.	und wanter enlarged enlarged
Reveal concealed information (e.g. answers to a quiz).	Press @ (REVEAL). Press again to conceal the information.	The information is revealed.
Watch the TV programme while waiting for a requested page to be displayed.	1. Request a new page. 2. Press ® (TEXT CL).	The numbers are entered The TV program is displayed, and the requested page number and other teletext data appear at the top of the screen.
	3. When the requested page has been captured, the page number remains and the other data disappears. 4. Press (5) to view this page.	P201 The requested page is displayed
Have a requested page displayed at a pre-determined time.	1. Request a desired page. 2. Press (#) (TP ON).	The requested page is displayed "T*** appears at the bottom of the screen.
	3. Enter the time you want to have the page displayed with four digits using the number buttons. (For example, enter 0730 for 7:30 AM.)	The time is entered on the screen
	4. Press ® (TEXT CL) to watch the TV programme until the requested time.	At the requested time, the page number will be displayed at the top of the screen, to view this page, press (#)
	To cancel the request Display the teletext page, then press ® (TP OFF).	The request is cancelled. To resume TV mode press O.

Some of the features may not be available depending on the Teletext service.

1-6. OPTIONAL CONNECTIONS/OPERATIONS

How to view the video input picture

How to use the FASTEXT Feature

FASTEXT feature allows you to access pages quickly with one key operation. When a FASTEXT page is broadcast, a colour coded menu appears at the bottom of the screen. Each coloured prompt corresponds to the coloured buttons on either side of your Remote Commander.

Action	Result
Press one of the coloured buttons which corresponds to the coloured prompt on	The selected teletext page appears.
the teletext.	

Correct FASTEXT operation depends on the necessary signals sent from the TV

You can view the picture of video equipment connected to the input terminals by selecting the input mode. Operation

Press Drepeatedly to select the desired input. Action P-4-0 --

input appears. (See the table below.)

Symbol for the selected

Result

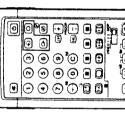
To return to the TV mode, press the □ button.



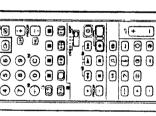
Input modes

Symbol

Ō



Q 6 Q



ç

Audio/video input through € and € jacks on the front.

You can also select the input mode using the P→Z→⊖ button on the TV. In this case, first select - and then press +/- buttons to select the input

S video input (from a VTR equipped with an S video output) through the G+2/ S connector.

Audio/video input through the ⊕ 2/ € connector.

Audio/video input through the .6 connector. RGB input through the & connector.

How to select the Output

The G+2/- 多 connector outputs four kinds of audio/video signals. You have to select one of them as follows.

Operation

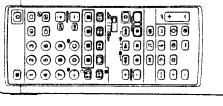
Action		
	Tesus.	
Press G repeatedly to		Symbol for the selected
select the desired input.	φ	output appears. (See the tab
		below.)

Output modes

Symbol

Symbol	Output from
<u>т</u>	The audio/video signal from the @1
9.9	connector
-5 G	The audio/video signal from the ⊕-2/ ⊕
	connector
3.0	The audio/video signal from the ⊕ ⊕
	connectors.
ТФ	The audio/video signal from the Tr aerial
	terminal.
The same of the sa	



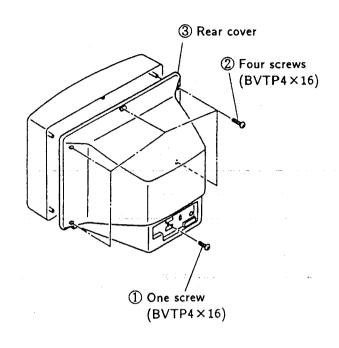


SECTION 2 DISASSEMBLY

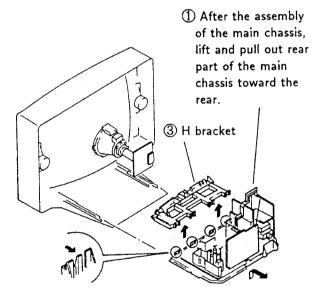
2-1-1. REAR COVER REMOVAL (21 inch)

③ Rear cover ② Four screws (BVTP4×16) ① One screw (BVTP4×16)

2-1-2. REAR COVER REMOVAL (25inch, 29inch)

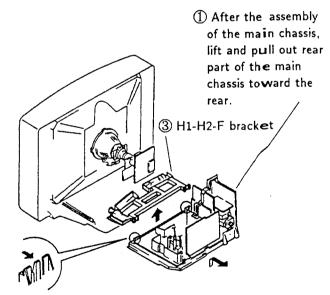


2-2-1. CHASSIS ASSEMBLY REMOVAL (21inch)

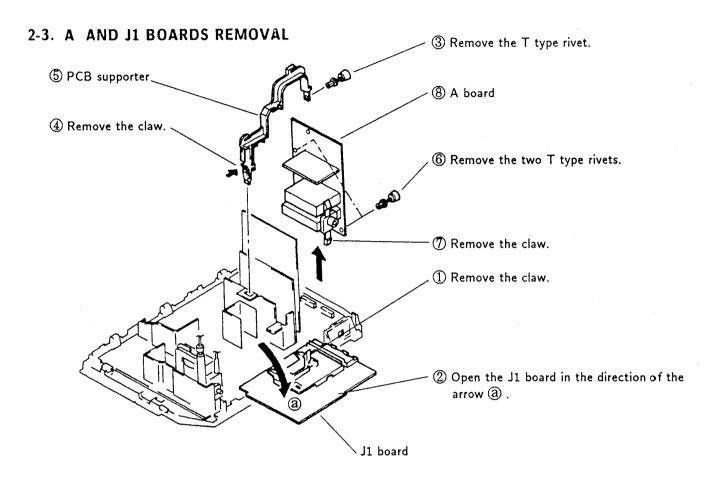


② Push the four claws of the main chassis in the direction of arrow and remove the H bracket upwards.

2-2-2. CHASSIS ASSEMBLY REMOVAL (25inch, 29inch)

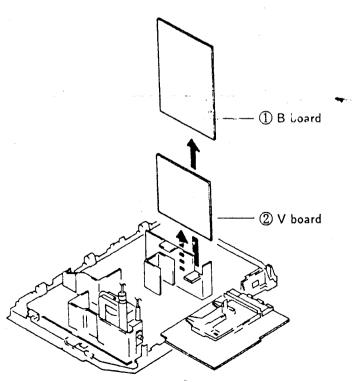


② Push the two claws of the main chassis in the direction of arrow and remove the H1-H2-F bracket upwards.



2-4. B AND V BOARDS REMOVAL

h)

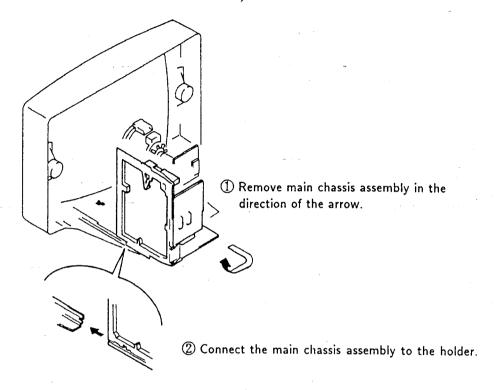


Note: 10 pin extension cable (S-0945-001-0)

_ 11 -

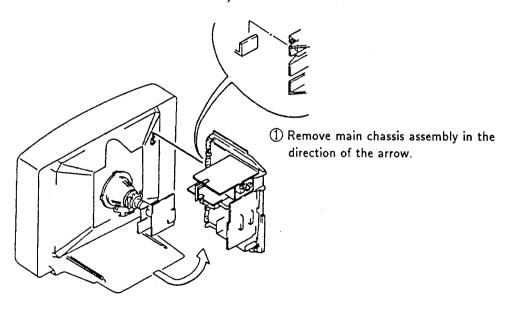
2-5-1. SERVICE POSITION (21inch)

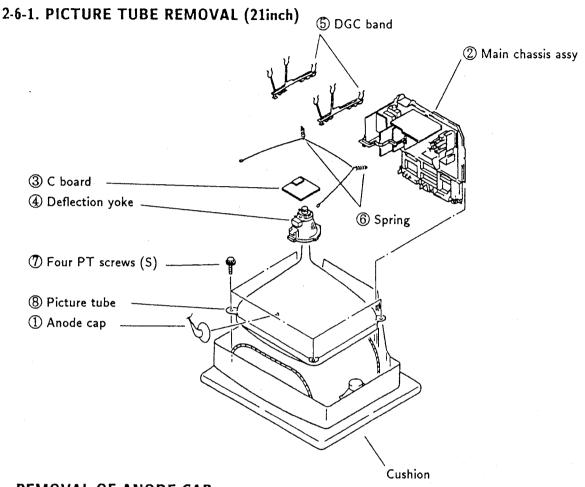
* Remove the bracket from the main chassis assembly and then perform the following servicing. (Refer to 2-2-1. CHASSIS ASSEMBLY REMOVAL.)



2-5-2. SERVICE POSITION (25inch, 29inch)

* Remove the connector bracket from the main chassis assembly and then perform the following servicing. (Refer to 2-2-2. CHASSIS ASSEMBLY REMOVAL.)

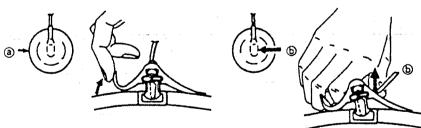




REMOVAL OF ANODE-CAP

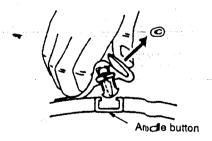
NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT chieldor carbon painted on the CRT, after removing the anode.

REMOVING PROCEDURES



① Turn up one side of the rubber cap in ② Using a thumb pull up the rubber cap the direction indicated by the arrow ③.

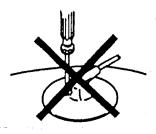
Graph of the rubber cap in ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⑤.

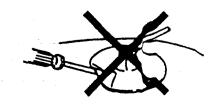


When one side of the rib ber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and puling up it in the direction of the arrow ().

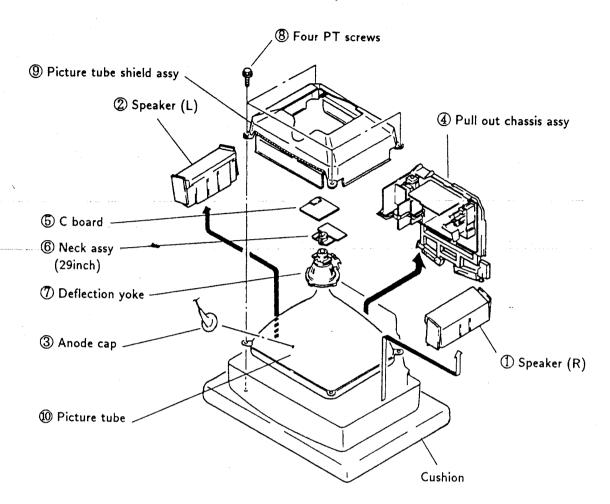
· HOW TO HANDLE AN ANODE-CAP

- Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps!
 A material fitting called as shatter-hook terminal is built in the rubber.
- 3 Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.

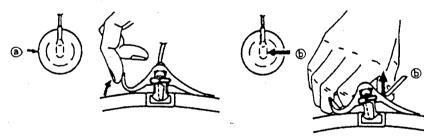




2-6-2. PICTURE TUBE REMOVAL (25inch, 29inch)



REMOVAL OF ANODE-CAP REMOVING PROCEDURES



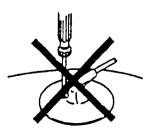
- ① Turn up one side of the rubber cap in the direction indicated by the arrow ②. Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⑤.
- Anode bu ton
 When one side of the rubber cap
- When one side of the rubber cap is separated from the anode buttors, the anode-cap can be removed by tsurning up the rubber cap and pulling up it in the direction of the arrow ©.

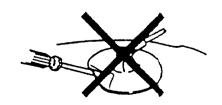
· HOW TO HANDLE AN ANODE-CAP

- Don't hurt the surface of anode-caps with sharp shaped material!
- Don't press the rubber hardly not to hurt inside of anode-caps! A material fitting called as shatter-hook
- terminal is built in the rubber.

 Don't turn the foot of rubber over hardly!

 The shatter-hook terminal will stick out or hurt the rubber.





SECTION 3 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted. The controls and switch below should be set as follows unless otherwise noted:
 - CONTRASTcontrol 80% (or Normal by commander)

☼ BRIGHTNESS control..... 50%

Perform the adjustments in order as follows:

Preparation: (21 inch, 25 inch)

- Set the side of the unit with the PICTUE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser..

3-1. BEAM LANDING

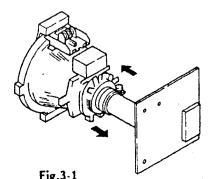
Demagnetize with a degausser

1. Input a raster signal with the pattern generator.

 $\begin{array}{c} CONTRAST \\ BRIGHTNESS \end{array} \bigg\} normal$

- 2. Turn the raster signal of the pattern generator to red.
- 3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides evenly.

 (Fig.3-1 3-3)
- 4. Move the deflection yoke forward, and adjust so that the entire screen becomes red. (Fig.3-1)
- 5. Switch over the raster signal to blue and blue and confirm the condition.
- 6. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
- 7. When landing at the corner is not right, adjust by using the disk magnets. (Fig.3-4)



1. Beam Landing

- 2. Convergence
- 3. Focus
- 4. Screen (G 2) and White Balance

Note: Test Equipment Required:

- 1. Color bar/Pattern Generator
- 2. Degausser
- 3. DC Power Supply
- 4. Digital multimeter
- 5. Oscilloscope

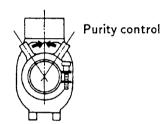


Fig.3-2

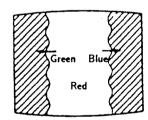
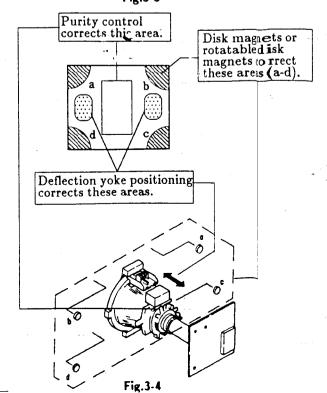


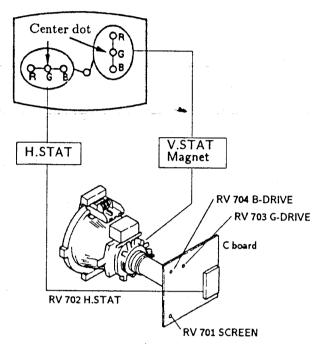
Fig.3-3



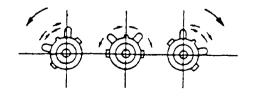
3-2. CONVERGENCE

Preparation:

- Before starting, perform FOCUS, H.SIZE, and V.
 SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.
- (1) Horizontal and Vertical Static Convergence

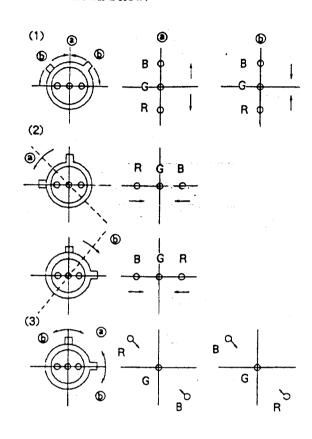


- 1. Adjust H.STAT VR to converge red, green and blue dots the in center of the screen. (Horizontal movement)
- 2. Adjust V. STAT magnet to converge red, green and blue dots in the center of the screen. (Vertical movement)
- 3. If the red, green and blue dots do not converge on the center of screen with H.STAT VR, perform horizontal convergence adjustment using H.STAT VR and V.STAT magnet as shown below. (In this case, H.STAT VR and V.STAT magnet effect each other.)
- Tilt the V.STAT magnet and adjust static convergence to open or close the V.STAT magnet.



4. When the V.STAT magnet is moved in the direction of arrow (a) and (b), red, green and blue dots move as shown below.

(K



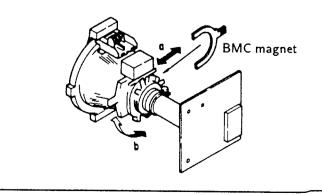
(KV-21 inch only)

If the red and blue dot do not converge with green dots, perform following steps.

Move BMC magnet (a) to correct insufficient H.static convergence.

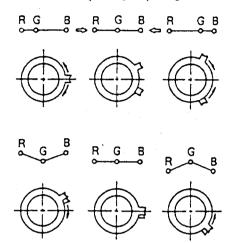
Rotate BMC magnet (b) to correct insufficient V.static convergence.

In either case, repeat Beam Landing Adjustment.



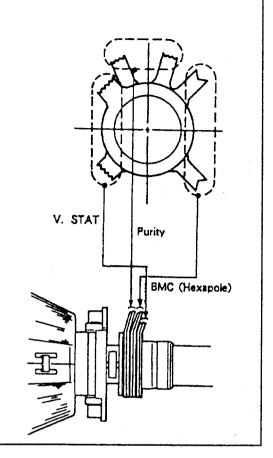
(KV-25 inch only)

• Operation of BMC (Hexapole) Magnet



 The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking.
 Use the H.STAT VR to adjust the red, green, and

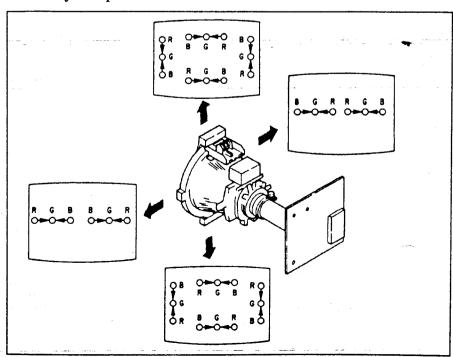
blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).



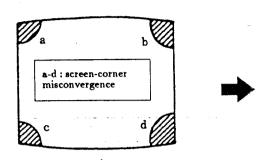
(2) Dynamic Convergence Adjustment Preparation:

- Before starting perform Horizontal and Vertical static convergence Adjustment.
- 1. Slightly loosen deflection yoke screw.
- 2. Remove deflection yoke spacers.

- 3. Move the deflection yoke for best convergenceas shown below.
- 4. Tighten the deflection yoke screw.
- 5. Install the deflection yoke spacers.

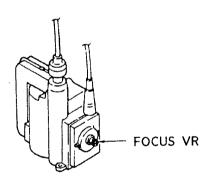


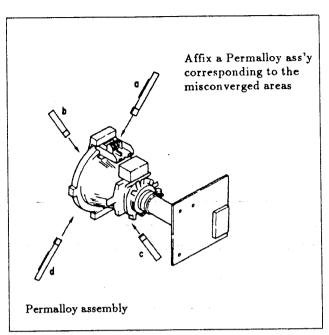
(3) Screen-corner Convergence



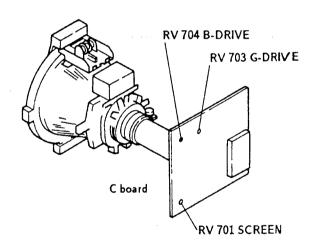
3-3. FOCUS

Adjust FOCUS so that the whole screen is in best focus.





3-4. SCREEN (G 2) and WHITE BALANCE



Screen (G 2) Setting

- 1. Input dot signal from the pattern generator.
- 2. Set the picture BRIGHTNESS control to mirrimum level.
- 3. Apply 170 V DC to the cathodes of R,G and ${\bf E}$ from an external power power source.
- 4. While watching the picture, adjust the G 2 volume (RV701) immediately before fly-back line disappears.

White Balance Adjustment

n

n

- 1. Input all-white signal from the pattern generator.
- 2. Adjust the BRIGHTNESS and COLOR controls to the standard level.
- 3. Adjust the following using RV 704 (B DRIVE) and RV 703 (G DRIVE)

In the following adjustments, the CONTRAST, COLOR and BRIGHTNESS controls are set to normal unless otherwise specified.

Preparations: (29 inch)

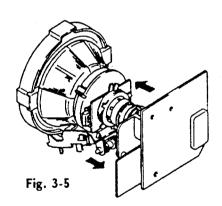
- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

3-5. BEAM LANDING

- Input the white signal with the pattern generator.
 Contrast Bightness normal
- 2. Position neck ass'y as shown in Fig 3-6.
- 3. Set the pattern generator raster signal to red.
- 4. Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side.

 (See Figures 3-5 through 3-7.)
- 5. Move the deflection yoke forward and adjust so that entire screen is red. (See Figure 3-5.)
- 6. Switch the raster signal to blue, then to green and verify the condition.
- 7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
- 8. If the beam does not land correctly in all the corners, use a magnet to adjust it.

 (See Figure 3-8.)



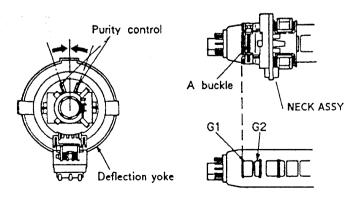
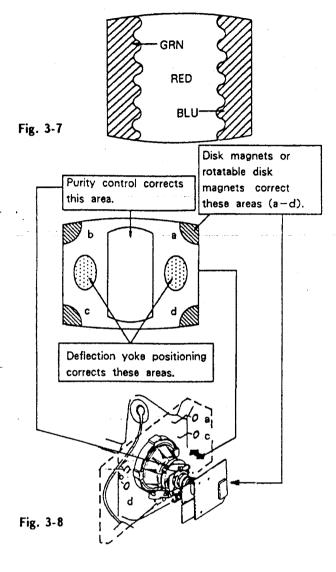
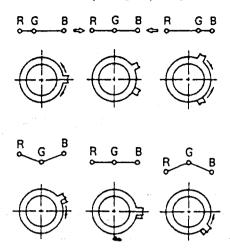


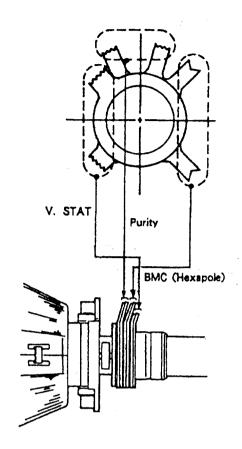
Fig. 3-6



• Operation of BMC (Hexapole) Magnet



• The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking.
Use the H.STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

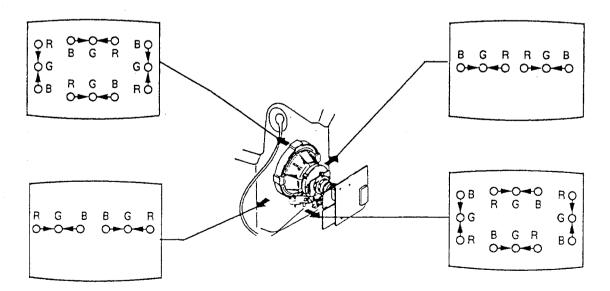


(2) Dynamic convergence adjustment Preparations:

Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.

- 1. Slightly loosen the deflection yoke screws.
- 2. Remove the deflection yoke spacer.

- 3. Move the deflection yoke as shown in the figure below and optimize the convergence.
- 4. Tighten the deflection yoke screws.
- 5. Install the defelection yoke spacer.

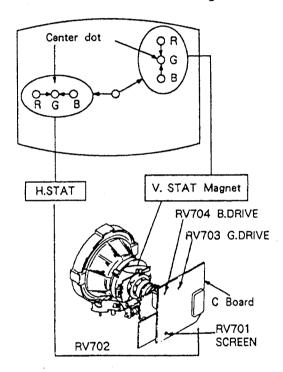


3-6. CONVERGENCE

Preparations:

- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

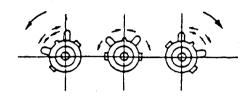
(1) Horizontal and vertical static convergence



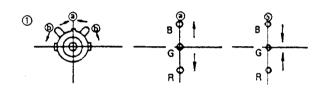
- 1. (Moving horizontally), adjust the H.STAT control so that the red, green, and blue points are on top of each other at the center of the screen.
- 2. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
- 3. If the H.STAT variable resistor cannot bring the red, green, and blue points together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V. STAT magnet in the manner given below.

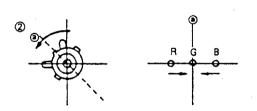
 (In this case, the H.STAT variable resistor and the V.STAT magnet influence each other)

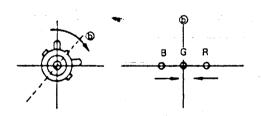
• Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.

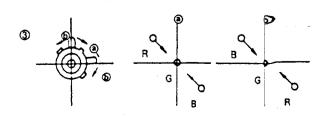


4. If the V.STAT magnet is moved in the direction of the (a) and (b) arrows, the red, green, and blue points move as shown below.

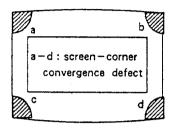






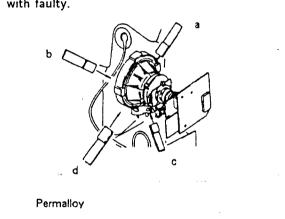


(3) Screen corner convergence



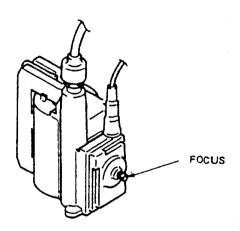


Install the permalloy assembly for the section with faulty.



3-7. FOCUS

Adjust the focus to optimize the screen.



3-8. WHITE BALANCE

[Screen G2 setting]

- 1. Input the dot signal from the pattern generator.
- 2. Set the picture brightness control to its lowest level.
- 3. Apply 170V DC to the R, G, and B cathodes with an external power supply.
- 4. While watching the picture, adjust G2 control RV701 (Screen) to the point just before the return lines disappear.

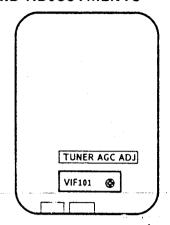
[White balance adjustment]

- 1. Input an all-white signal from the pattern generator.
- 2. Set the picture brightness and color controls to their normal levels.
- 3. Use the RV704 (B Drive) and RV703 (G Drive) to adjust white balance.

In the adjustments below, have the picture co lor and brightness settings at their normal levels unless there is a specific instruction to the contrary.

SECTION 4 CIRCUIT ADJUSTMENTS

4-1. A BOARD ADJUSTMENTS

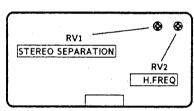


A BOARD (COMPONENT SIDE)

TUNER AGC ADJUSTMENT (AGC VR)

- 1. Align with an appropriate signal between stations.
- 2. Adjust AGC VR so that snow noise and cross modulation just disappear from the picture.

IFG5.5S SIF



IFG5.5S SIF -component side-

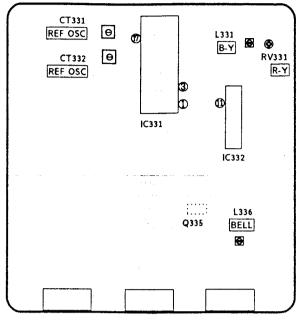
STEREO SEPALATION ADJUSTMENT (RV1)

- 1. Input stereo signals. (L-CH 400Hz, R-CH 1KHz)
- 2. Check the stereo indicator.
- 3. Connect on oscilloscope to pin® (CH1) of CN1 through band pass filter of 1KHz
- 4. Adjust RV1 so that 1KHz voltage goes down to the minmum.

H FREQ (RV2)

- Input a PAL COLOR BAR signal, then connect a jumper between pin IC4 and GND.
- Connect a frequency counter to pin IFG5.5S
 (HP) of CN1 through a probe of 10:1.
- 3. Adjust RV2 (H.FREQ) 15.625 ± 50 Hz.
- 4. After adjustment, remove the jamper.

4-2. B BOARD ADJUSTMENTS



B BOARD (COMPONENT SIDE)

REFERENCE OSCILLATOR ADJUSTMENT (CT332 8.8MHz)

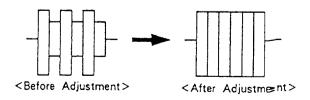
- 1. Input a PAL color bar signal.
- 2. Ground pin To of the IC331.
- 3. Adjust CT332 to obtain synchronization.

REFERENCE OSCILLATOR ADJUSTMENT (CT331 7.16MHz)

- 1. Input an NTSC358 color bar signal.
- 2. Ground pin 7 of IC331.
- 3. Adjust the CT331 to obtain synchronization.
- 4. Remove the jumper grounding pin 7 of IC331.

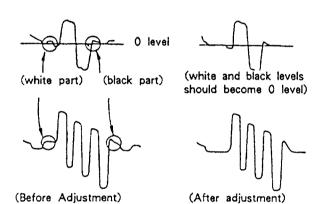
BELL FILTER ADJUSTMENT (L336)

- 1. Input a SECAM color bar signal.
- 2. Connect the oscilloscope to the emitter of Q3-35.
- 3. Adjust L336 so that the waveform is flat.

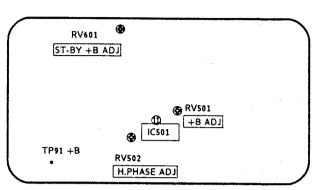


DISCRIMINATION ADJUSTMENTS (RV331 and L331)

- 1. Input a SECAM color bar signal.
- 2. Connect the oscilloscope to pin (1) of IC331.
- Adjust RV331 until the white and black sections
 of the waveform at pin ① are at the 0 level.
 Connect the oscilloscope to pin ③ of IC331.
- 4. Adjust L331 until the white and black sections of the waveform at pin 3 are at the 0 level.



4-3. D BOARD ADJUSTMENTS



D BOARD (COMPONENT SIDE)

+B ADJUSTMENT (RV501)

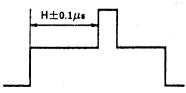
- 1. Connect the digital multimeter to TP91.
- 2. Adjust RV501 to obtain 135 ± 0.2 V.

ST-BY +B ADJUSTMENT (RV601)

- 1. Put the system into O standby mode (remote commander).
- 2. Connect the digital multimeter to TP91.
- 3. Adjust RV601 to obtain $135\pm3V$.
- 4. Take the system out of \circlearrowleft standby mode (remote commander).

H.PHASE ADJUSTMENT (RV502)

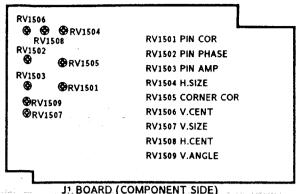
- 1. Input a PAL color bar signal.
- 2. Set the picture and brightness controls to their normal levels.
- 3. Set RV1508 (H.CENT) to its mechanical center.
- 4. Connect the oscilloscope to pin (I) (SCIP) of IC 501.
- 5. Rotate RV502 to adjust to $H \pm 0.1 \mu s$.

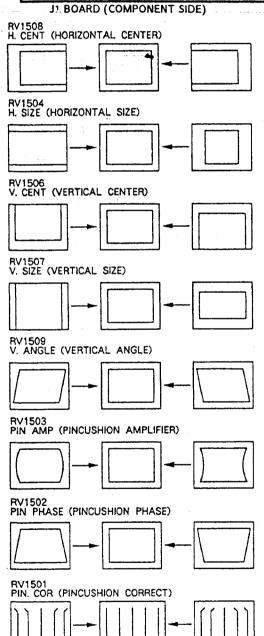


Standard of H. PHASE

Model Size	Н
21 "	$5.6 \mu s$
25 "	$5.1 \mu s$
29 "	$5.5 \mu s$

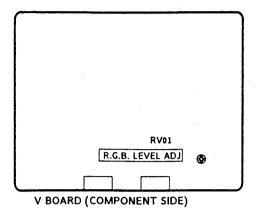
4-4. J1 BOARD ADJUSTMENTS





RV1505 CORNER COR (CORNER CORRECT)

4-5. V BOARD ADJUSTMENT



RGB LEVEL ADJUSTMENT (RV01)

- 1. Maximize the picture setting.
- 2. Adjust RV01 so that the RGB output is 0.75V.

4-6. SECONDARY ADJUSTMENTS

SUB BRIGHTNESS ADJUSTMENT

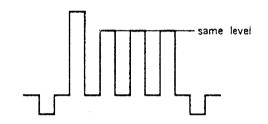
- 1. Set the system to receive a test pattern.
- Press → ← on the remote commander to put the system into normal mode.
- 3. Switch off the power.
- While depressing the adjusting buttons + and
 simultaneusly, turn on the power. (SUB mode is obtained)
- 5. Minimize the O contrast setting.
- 6. Adjust the ⇔ brightness control so that the gray scale 0 IRE section is cut off completely and the 20 IRE section is barely glowing.
- 7. Depress the (store) button of the remote commander.(SUB mode is released)

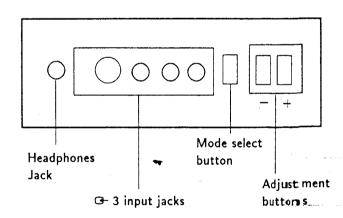
If there is no test color pattern

- 1. Set the system to receive a color pattern.
- Press → · ← on the remote commander to put the system into normal mode.
 Set the ② color to its normal state.
- 3-5. Steps are the same as above.
- 6. Since 20 IRE is nearly blue, adjust the ⇔ brightness control so that the blue barely glows.
- 7. Same as step 7 above.
- Press → · ← on the remote commander to put the system into normal mode.

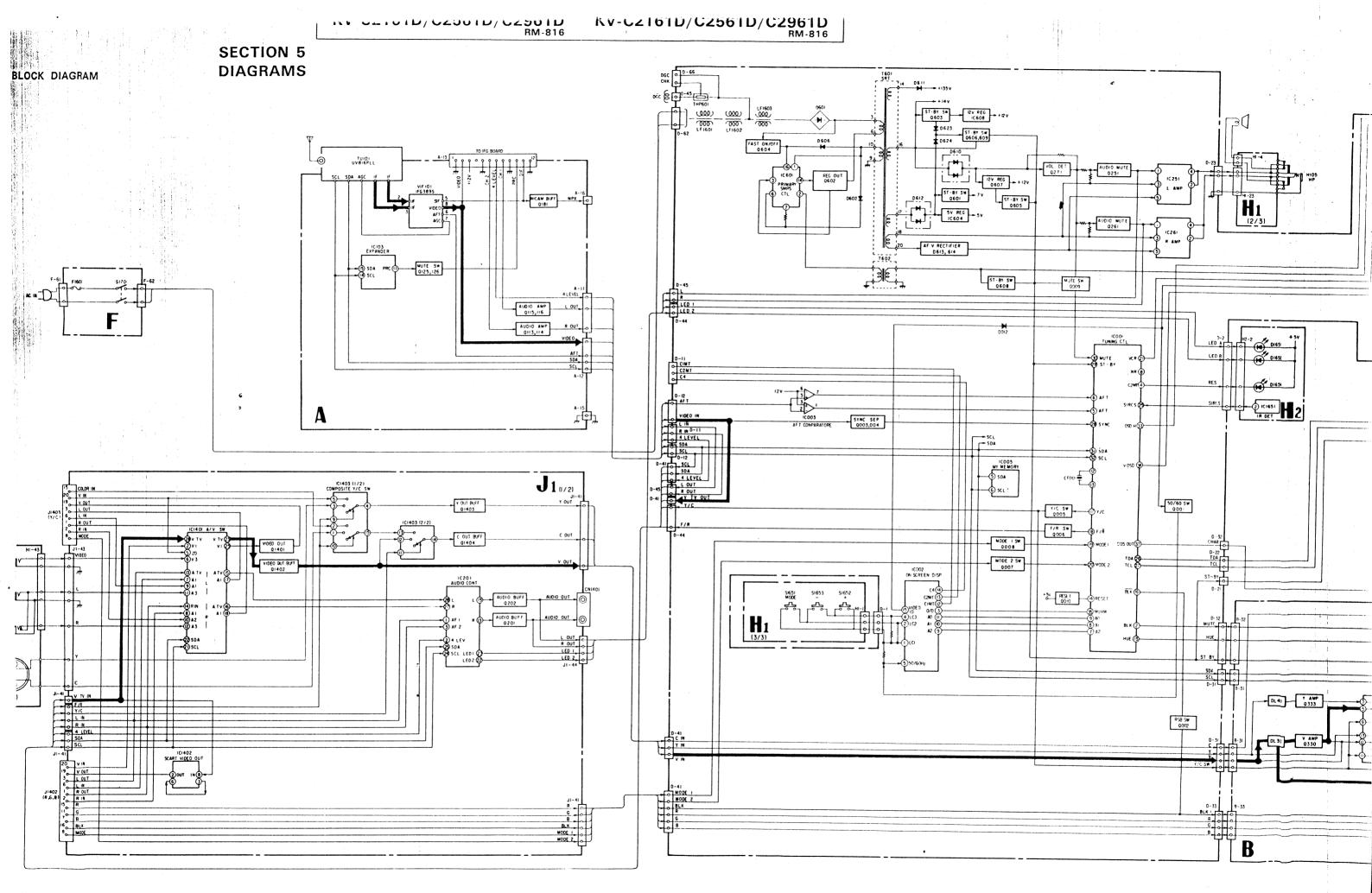
SUB COLOR ADJUSTMENT

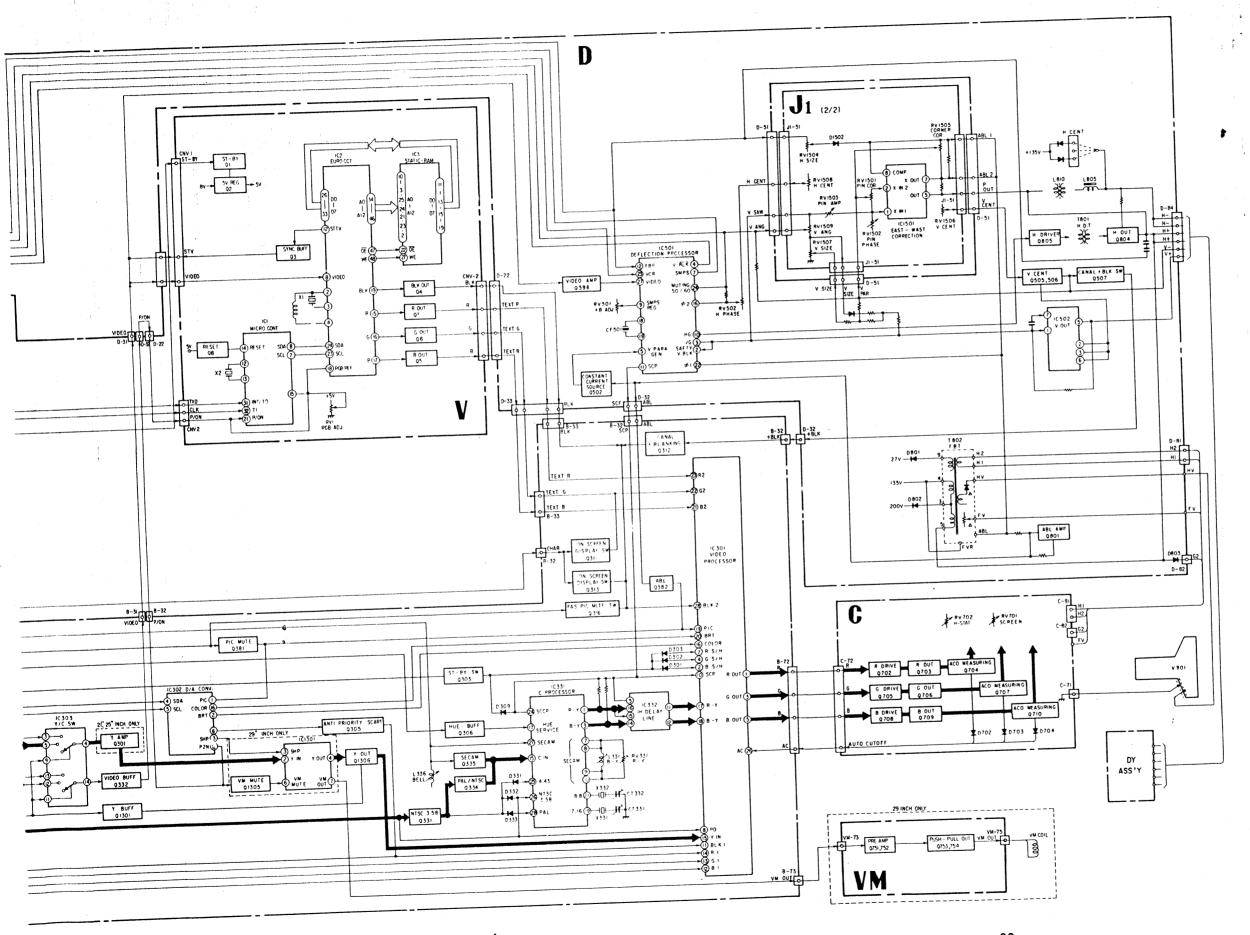
- 1. Set the system to receive color bars.
- Press → ← on the remote commander to put the system into normal mode.
- 3. Cut off the power.
- While depressing the adjustment buttons + and - simultaneusly, turn on the power. (SUB mode is obtained).
- 5. Adjust the color control so that the B out waveform (pin ⑤ of C board connector CNC72) is as shown in the figure below.
- 6. Depress the \diamondsuit (store) button of the remote commander. (SUB mode is released)

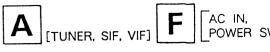




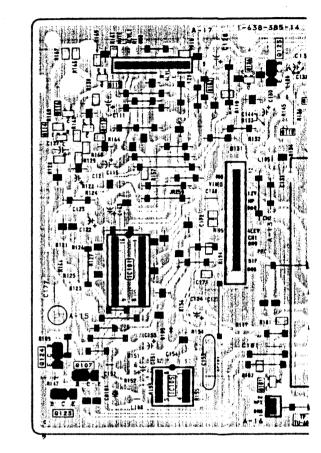
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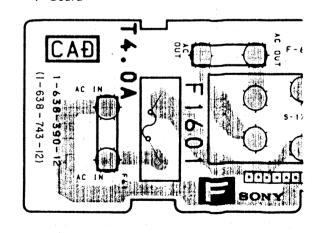




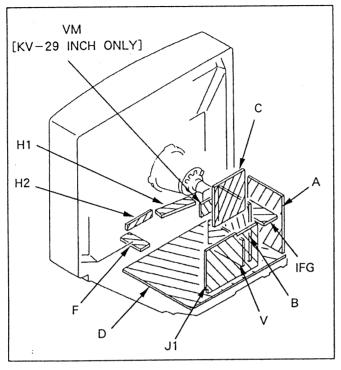
-A Board-



-F Board-



5-2. CIRCUIT BOARDS LOCATION



: NONFLAMMABLE METAL OXIDE : NONFLAMMABLE CEMENT RB : NONFLAMMABLE WIREWOUND : ADJUSTMENT RESISTOR : MICRO INDUCTOR LF-8L COIL CAPACITOR TA : TANTALUM : STYROL : POLYPROPYLENE : MYLAR : METALIZED POLYESTER MPP : METALIZED POLYPROPYLENE ALB : BIPOLAR : HIGH TEMPERATURE ALT

: HIGH RIPPLE

: METAL FILM

: NONFLAMMABLE CARBON : NONFLAMMABLE FUSIBLE

: SOLID

Reference information

RC FPRD

FUSE

ALR

RESISTOR RN

5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μ F unless otherwise noted. pF: μ μ F 50WV or less are not indicated except for electrolytic.
- Indication of resistance, which dose not have one for rating electrical power, is as follows.

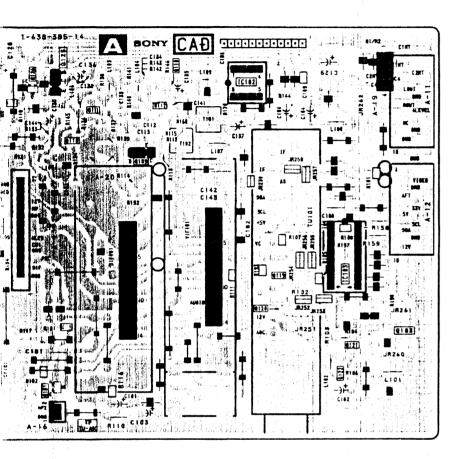
Pitch : 5mm Rating electrical power : 1/4W

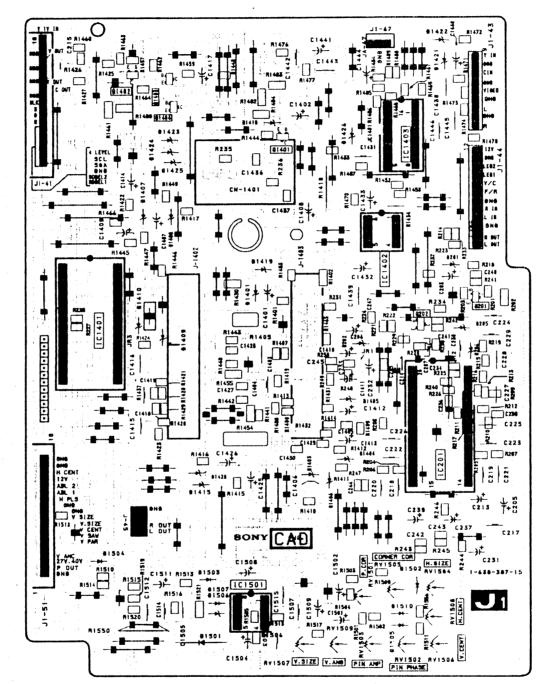
- Chip resistor is in 1/10W.
- All resistors are in ohms. $k \Omega = 1000 \Omega$, $M \Omega = 1000 K \Omega$
- · war : nonflammable resistor.
- · fusible resistor.
- Δ : internal component.
- · []: panel designation or adjustment for repair.
- All variable and adjustable resistors have charactristic curve B, unless otherwise noted.
- · All voltages are in V.
- Readings are taken with a $10M\,\Omega$ digital multimeter.
- · Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- : B + bus.
- signal path.(RF)

AC IN, POWER SW J1

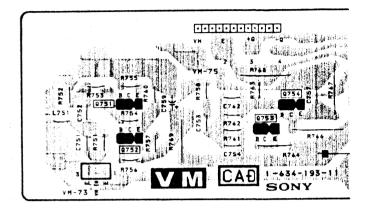
H1 [CONTROL SW, AV INPUT] H2 [SIRCS, RECEIVER,] VM [VM AMP]

-J1 Board-

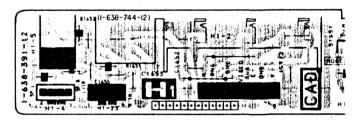




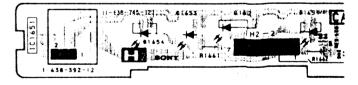
-VM Board- (29 INCH ONLY)

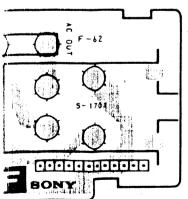


-H1 Board-



-H2 Board-

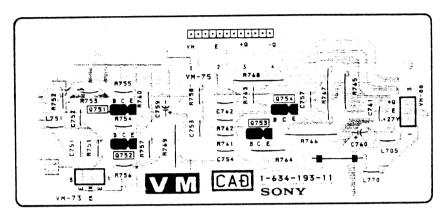




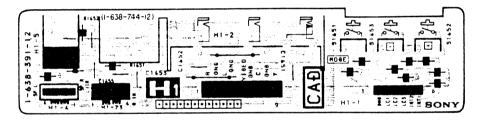
1 D 316

KV-C2161D/C2561D/C2961D RM-816

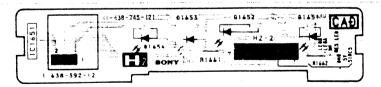
-VM Board- (29 INCH ONLY)

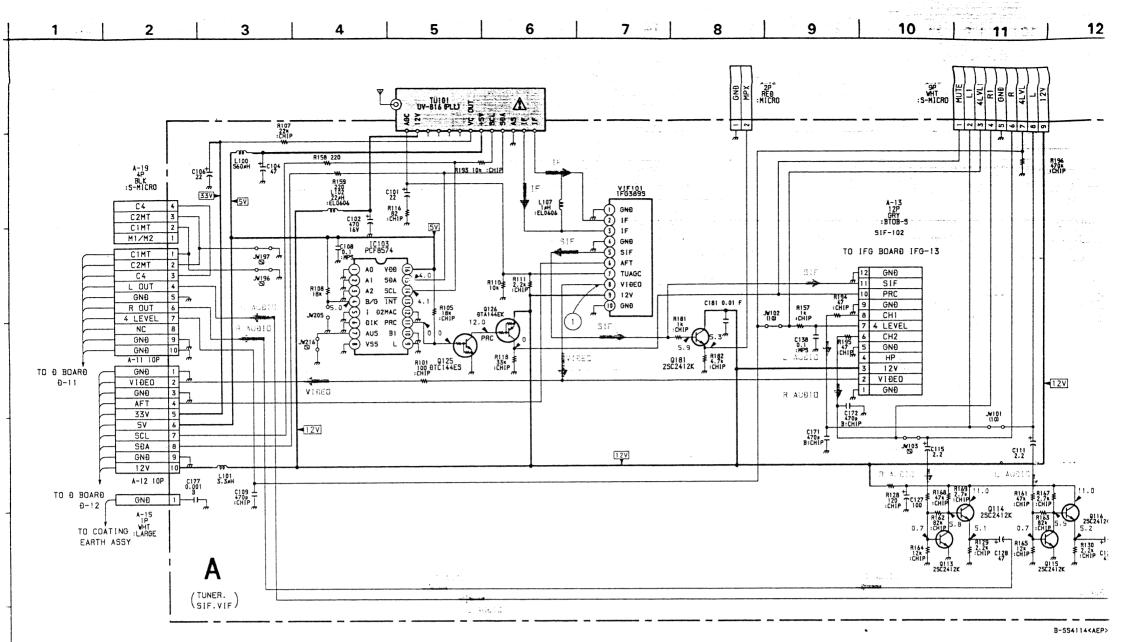


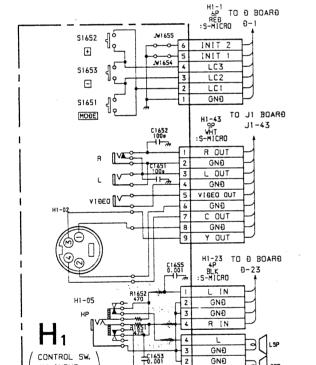
-H1 Board-



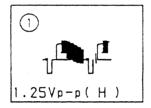
-H2 Board-



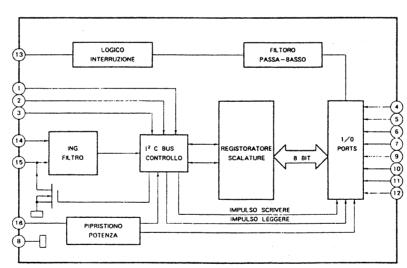






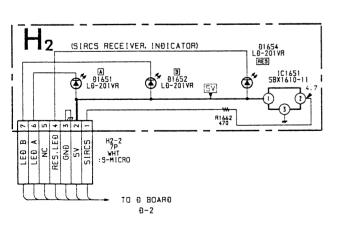


A BOARD IC103 PCF8574



A BOARD

IC103	PCF8574	EXPANDER
Q113	2SC2412K	AUDIO AMP
Q114	2SC2412K	AUDIO AMP
Q115	2SC2412K	AUDIO AMP
Q116	2SC2412K	AUDIO AMP
Q125	DTC144ES	MUTE SW
Q126	DTA144EK	MUTE SW
Q181	2SC2412K	NICAM BUFFER



H1-4 4P WHT :S-MICRO

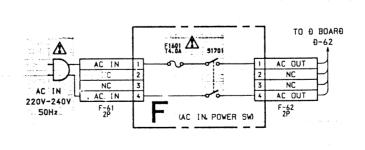
B-SS4114<AEP>-H1.

B-SS4114<AEP>-H2.

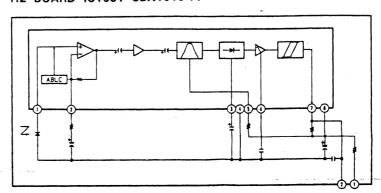
· H2 BOARD

AV INPUT. HEAÐPHONE

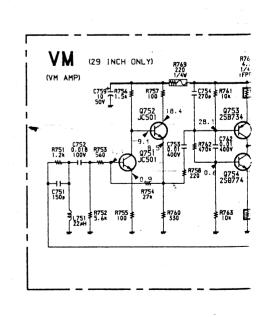
IC1651	SBX1610-11	INFRARED RECIEVER
D1651	LD-201VR	AUDIO CHANNEL A INDICATOR
D1652	LD-201VR	AUDIO CHANNEL B INDICATOR
D1654	LD-201VR	RESET



H2 BOARD IC1651 SBX1610-11

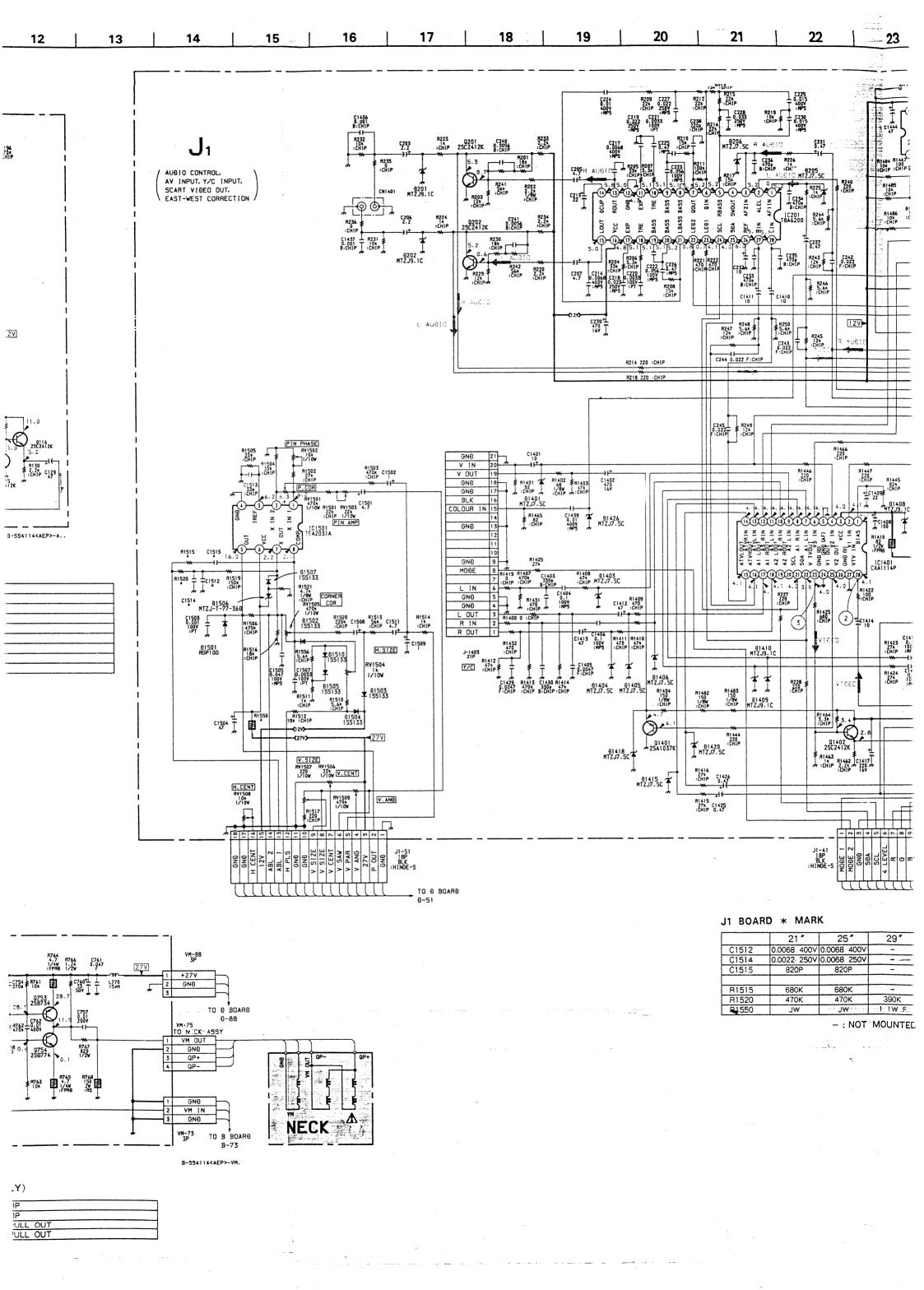


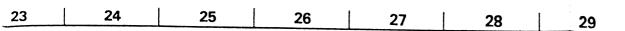
B-SS4114<AEP>-F..

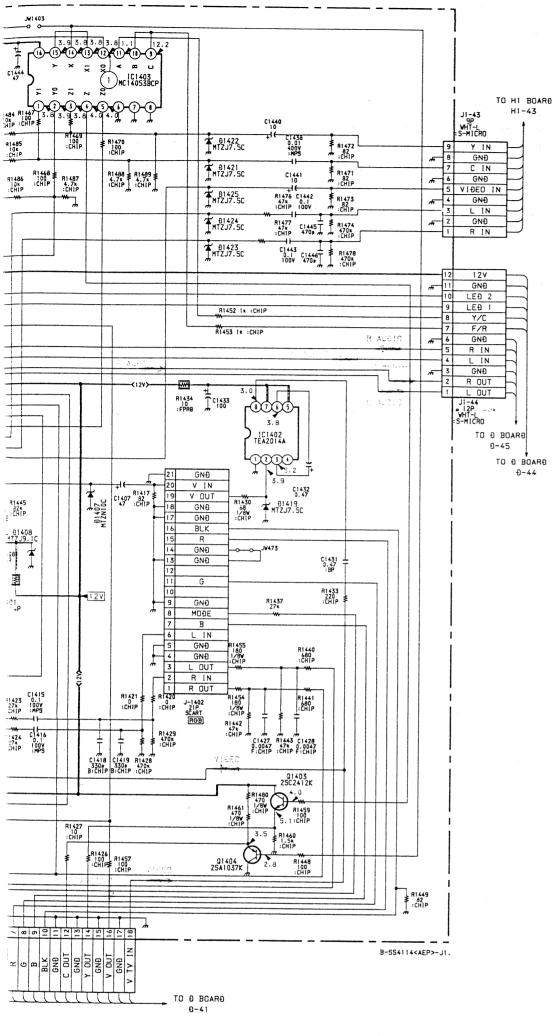


• VM BOARD (29 INCH ONLY)

Q751	JC501	REF-AMP
Q752	JC501	REF-AMP
Q753	2SB734	PUSH-PULL OUT
Q754	2SD774	PUSH-PULL OUT



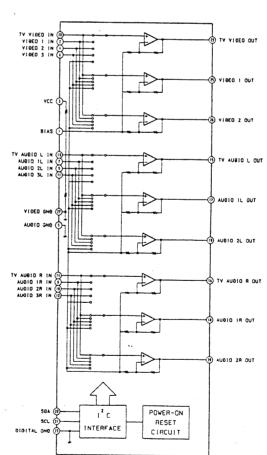




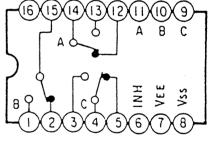
- J1 BOARD

IC1401 CXA1114P AV SW IC1402 TEA2014A SCART VIDEO OUT IC1403 MC14053BCP COMPOSITE Y/C SW IC1501 TEA2031A EAST-WEST CORRECTION
IC1403 MC14053BCP COMPOSITE Y/C SW IC1501 TEA2031A EAST-WEST CORRECTION
IC1403 MC14053BCP COMPOSITE Y/C SW IC1501 TEA2031A EAST-WEST CORRECTION
2 OF MEST CONTECTION
0201 20024124 1122
Q201 2SC24'2K AUDIO R BUFF
Q202 2SC2412K AUDIO L BUFF
Q1401 2SA1037K VIDEO OUT
Q1402 2SC2412K VIDEO OUT BUFF
Q1403 2SC2412K Y OUT BUFF
Q1404 2SA1037K C OUT BUFF
٧. ه
D201 MTZJ9.1C PROTECT
D202 MTZJ9.1C PROTECT
D205 MTZJ7.5C PROTECT
D206 MTZJ7.5C PROTECT
D1401 MTZJ7.5C PROTECT
D1403 MTZJ7.5C PROTECT
D1404 MTZJ7.5C PROTECT
D1405 MTZJ7.5C PROTECT
D1406 MTZJ7.5C PROTECT
D1407 MTZN10C PROTECT
D1408 MTZJ9.1C REG
D1409 MTZJ9.1C PROTECT
D1410 MTZJ9.1C PROTECT
D1415 MTZJ7.5C PROTECT
D1418 MTZJ7.5C PROTECT
D1419 MTZJ7.5C PROTECT
D1420 MTZJ7.5C PROTECT
D1421 MTZJ7.5C PROTECT
D1422 MTZJ7.5C PROTECT
D1423 MTZJ7.5C PROTECT
D1424 MTZJ7.5C PROTECT
D1425 MTZJ7.5C PROTECT
D1426 MTZJ7.5C PROTECT
D1501 RGP10G PROTECT
D1502 1SS133 DECOUPLING H SIZE
D1503 1SS133 CLIPPING V PARABORA
D1504 1SS133 CLIPPING H PULSE
D1505 1SS133 REG
D1506 MTZJ36D PROTECT
D1507 1SS133 PROTECT
D1510 \\ \text{!SS133} \text{REG}

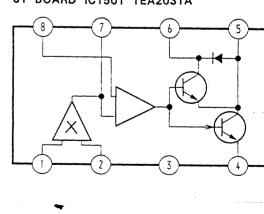
J1 BOARD IC1401 CXA1114P



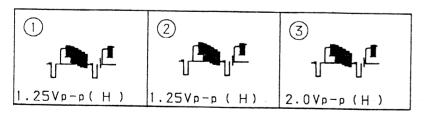
J1 BOARD IC1403 MC14053BCP



J1 BOARD IC1501 TEA2031A



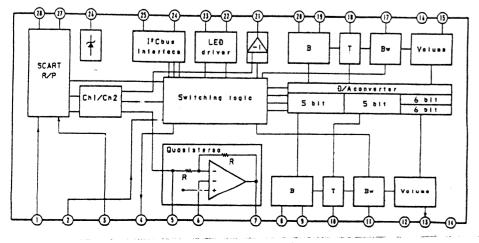
· WAVEFORMS J1 BOARD



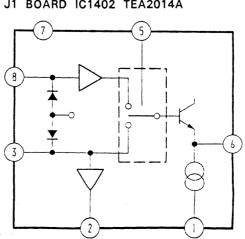
J1 BOARD IC201 TDA6200

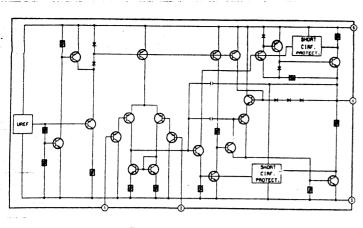
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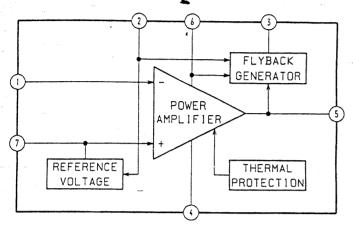


J1 BOARD IC1402 TEA2014A

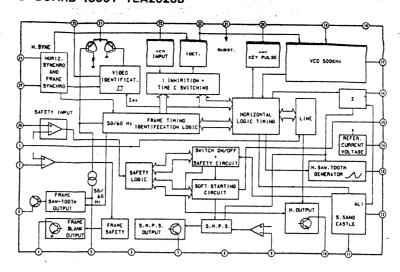




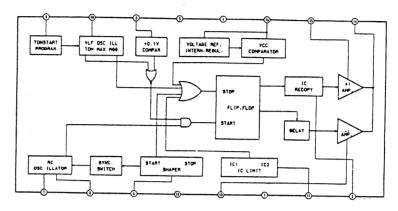
D BOARD IC502 TDA8170



D BOARD IC501 TEA2028B



D BOARD IC601 TEA2260



· WAVEFORMS D BOARD

	-	
	2	3
\wedge		
1.0 Vp-p(H)	2.5 Vp-p(V)	4.8 Vp-p(V)
4	5	6
3.0 Vp-p(V)	4.5 Vp-p(H)	9.0 Vp-p(H)
7	8	9
		\mathcal{M}
12.0Vp-p(H)	3.4 Vp-p(H)	0.1 Vp-p(503KHz)
	10	12
Janahar L	V	
1.1 Vp-p(H)	0.7Vp-p(V)	3.0 Vp-p(V)
13.	13	(1)
29.0Vp-p(V)	28.0Vp-p(V)	3.4 Vp-p(H)
16		(13)
230 Vp-p(H)	16.0Vp-p(H)	900 Vp-p(H)
19	20	2)
260Vp-p (H)	8.0Vp-p (V)	48.0Vp-p (V)
23	23	
Jonna J.	\mathcal{M}	
1.4Vp-p (H)	4.0 Vp-p(12MHz)	

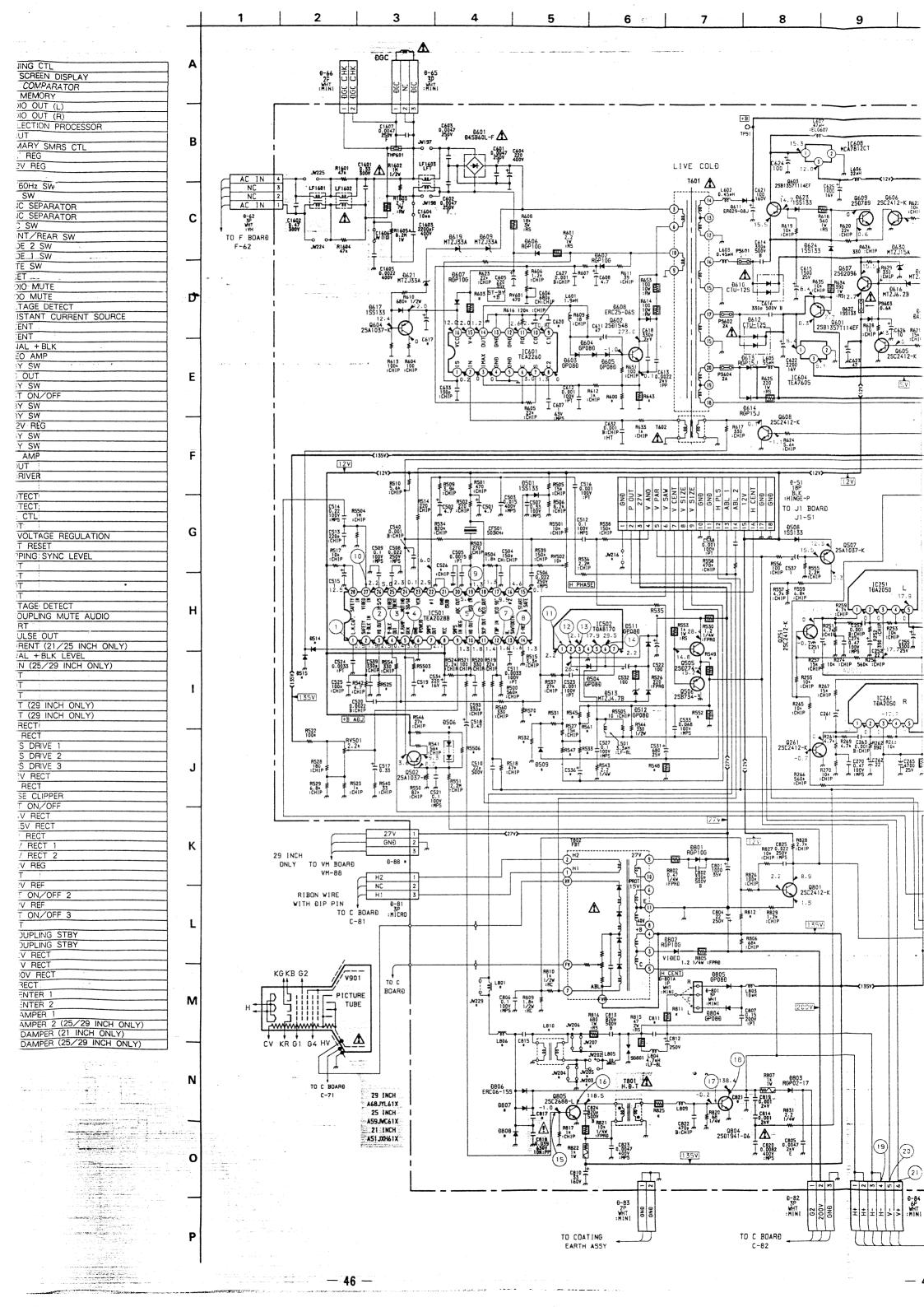
D BOARD * MARK

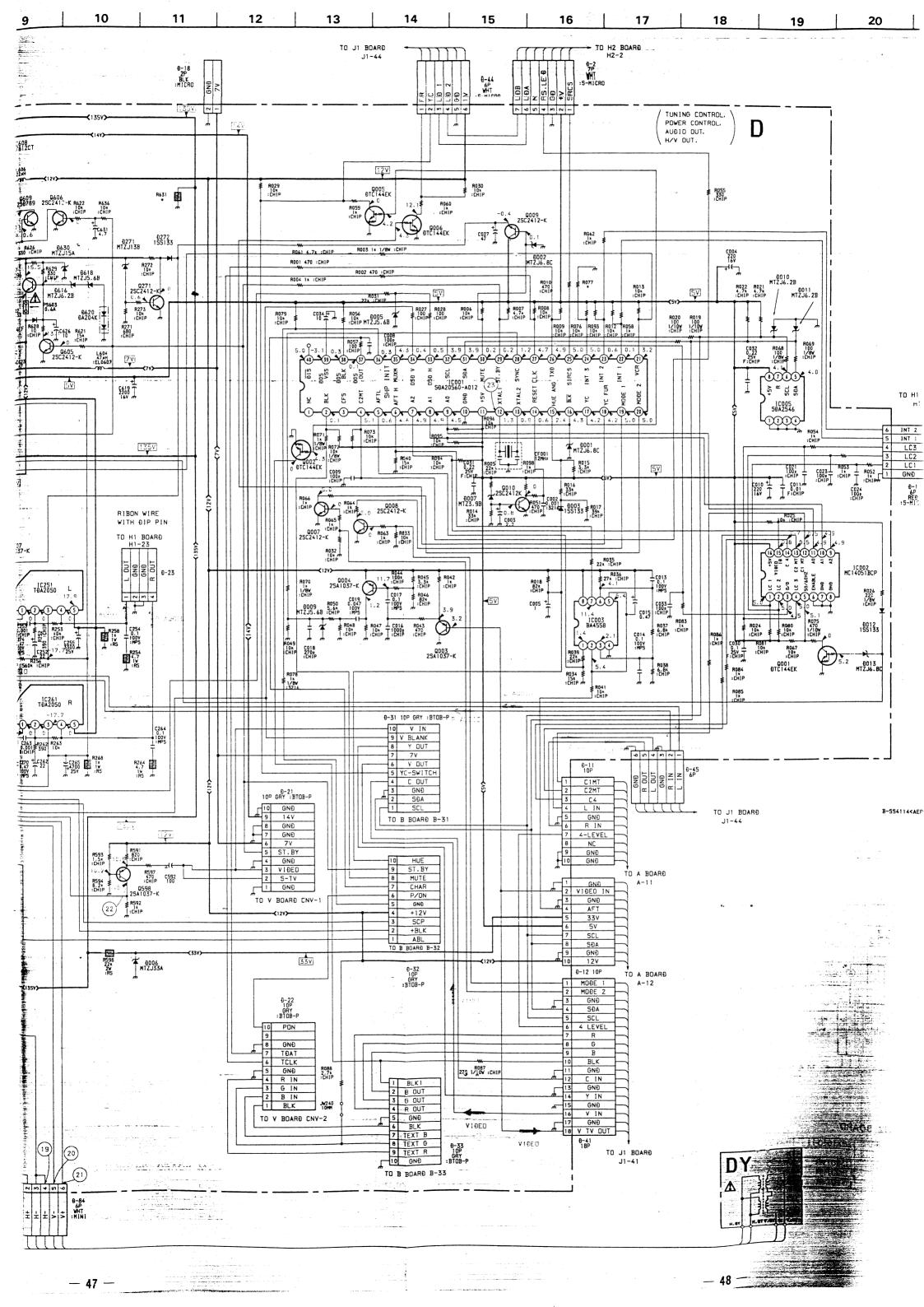
	7 . 01 //	T 0= #			T		,
	21"	25″	29"		21 "	25 "	29"
C519	0.47	0.47	0.33	L806	DCC-H	DRAM CORE	HCC DUST
C526	27P	27P	22P	2000	DCC-H	(CDI)	CORE 3.9mH
C536	4.7 16V	10 16V	10 16V	L810	WITH CORE	PMC	PMT
C617	220 25V	100 50V	100 50V				
C620	1 63V	0.47 50V	0.47 50V	R077	1K	_	1K
C811	1 200V	2 200V	2 200V	R525	1K	1K	_
C815	1 200V	1 200V	0.82 200V	R531	-	120K	120K
C817	0.0106 1.4KV	0.015 1.4KV	0.017 1.4KV	R532	-	1K	1K
C821	680P 2KV	680P 2KV	470P 2KV	R533	180	0	0
				R535	4.7M	2.2M	2.2M
D-88	_	- 1	3 P	R545	39K	22K	22K
				R547	5.6K	3.3K	3.3K
D506	DA204K	DA204K	-	R548	1.2 1W F	1 1W F	1 1W F
D509	_	188133	188133	R549	470 2W F	390 2W F	390 2W F
D514	5mm JW	5mm JW	188133	R552	1.2K 1W	_	_
D515	-	-	188133	R561	_	_	270K
D807	_	ERC26-15S	ERC06-15S	R570		_	680
D808	ERD28-08S	ERD29-08J	ERD29-08J	R600		1	1
				R603	15 3W F	12 3W F	12 3W F
JW202	_		5mm	R607	4.7K	4.7K	5.6K
JW203	5mm	5mm	_	R631	27K 2W	27K 2W	
JW204	5mm	5mm	· -	R643	0.15 2W F	0.12 2W F	0.12 2W F
JW205	-		5mm	R811	100 1W	22 2W F	22 2W F
JW206	5mm	5mm	-	R812	75K 1/2W	68K 1/2W	51K 1/2W
JW207	5mm	5mm	-	R825	1-1W F	0.47 1W F	0.47 1W F
JW216	15mm	15mm	-	R5503	4.7	4.7	10
JW229	10mm	10mm	- 1	R5506	_	_	12K
							12.1
L801	_	_	3.9mH				

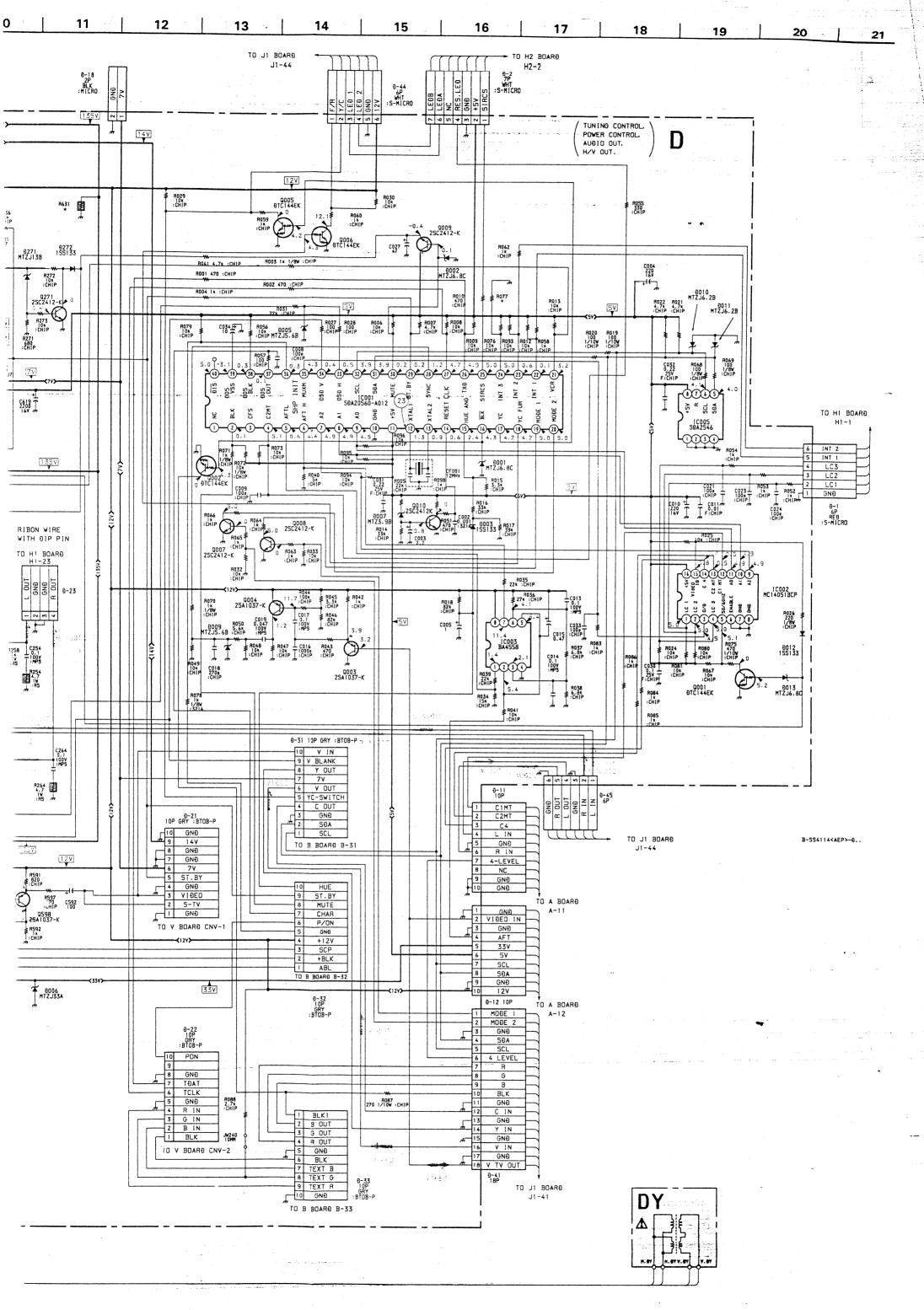
- : NOT MOUNTED

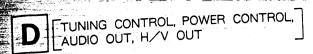
• D BOARD

10001		
IC001	MC14051BCP	ON S
IC003	BA4558	AFT (
IC005 IC251	SDA2546 TDA2050	MY N
IC261	TDA2050	AUDIC
IC501 IC502	TEA2028B	DEFLE
IC502	TDA8170 TEA2260	V OU
IC604	TEA7605	PRIM/ + 5V
IC608	MC7812CT	+ 12V
Q001	DTC144EK	50/60
Q002	DTC144EK	BLK S
Q003 Q004	2SA1037K 2SA1037K	SYNC
0005	DTC144EK	SYNC Y/C
Q006	DTC144EK	FRONT
Q007 Q008	2SC2412K 2SC2412K	MODE
Q009	2SC2412K	MUTE
Q010	2SC2412K	RESET
Q251 Q261	2SC2412K 2SC2412K	AUDIO
Q271	2SC2412K	VOLTA
Q502	2SA1037K	CONST
Q505 Q506	2SD774-4 2SB734-3	V CENT
Q507	2SA1037K	CANAL
Q598	2SA1037K	VIDEO
Q601 Q602	2SB1357T114EF 2SD1548	REG OL
Q603	2SB1357T114EF	STBY S
Q604	2SA1037K	FAST (
Q605 Q606	2SC2412K 2SC2412K	STBY S STBY S + 12V
Q607	2SD2096	+ 12V
Q608	2SC2412K	STBY S
Q609 Q801	2SD789-3 2SC2412K	STBY S
Q804	2SD1941-06	H OUT
Q805	2SC2688-L	H DRIV
D001	MTZJ6.8C	DOOTEC
D002	MTZJ6.8C	PROTEC
D003	1SS133	HUE CT
D005 D006	MTZJ5.6B MTZJ33A	PROT VC VOL
D007	MTZJ3.9B	PLOT F
D009	MTZJ5.6B	CLIPPIN:
D010	MTZJ6.2B MTZJ6.2B	PROT
D012	1SS133	PROT
D013	MTZJ6.8C	PROT
D271 D272	MTZJ13B 1SS133	VOLTAG-
D501	1SS133	START
D504	GP08D	V PULS
D506 D508	DA204K 1SS133	CURREN CANAL -
D509	1SS133	V LIN (2
D511 D512	GP08D GP08D	PROT PROT
D512	MTZJ4.7B	PROT
D514	1SS133	PROT (2
D515 D601	1SS133 D4SB60L-F	PROT (2
D602	RGP10G	AC RECT
D603	GP08D	SMPS D
D604 D605	GP08D GP08D	SMPS D
D606	RGP10G	SMPS DE
D607	RGP10G	REF REC
D608 D609	ERC25-06S MTZJ33A	PLUSE C
D610	CTU-12S	+ 14V R
D611	ERD29-08J	+ 135V F
D612 D613	CTU-12S RGP15J	+ 7V RE
D614	RGP15J	AF V RE
D616	MTZJ6.2B	+ 12V R
D617 D618	1SS133 MTZJ5.6B	PROT + 12V R
D619	MTZJ33A	FAST ON
D620	DA204K	+ 12V R
D621 D622	MTZJ33A 1SS133	FAST ON
D623	1SS133	DECOUPL
D624	1SS133	DECOUPL
D630 D801	MTZJ15A RGP10G	+ 12V RE + 27V RE
D802	RGP10G	+ 200V F
D803	RGP02-17	G2 RECT
D804	GP08D GP08D	H CENTE
1)805	ERC06-15S	H DAMPE
D805 D806	LI 1000-133	
D806 D807	ERC06-15S	H DAMPE
D806 D807 D808	ERC06-15S ERD28-08S	H DAMPE PIN DAM PIN DAM

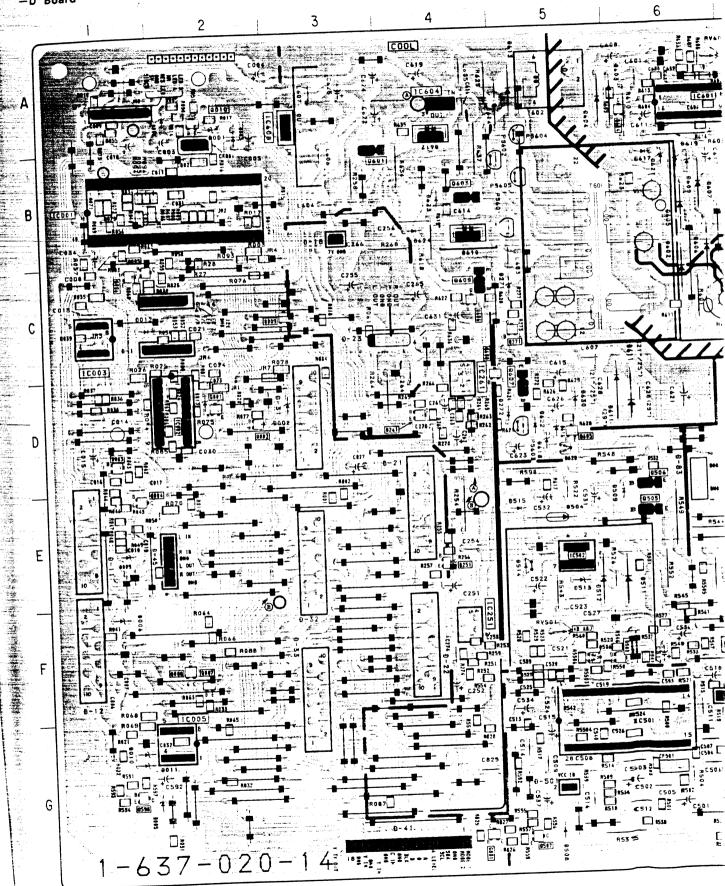




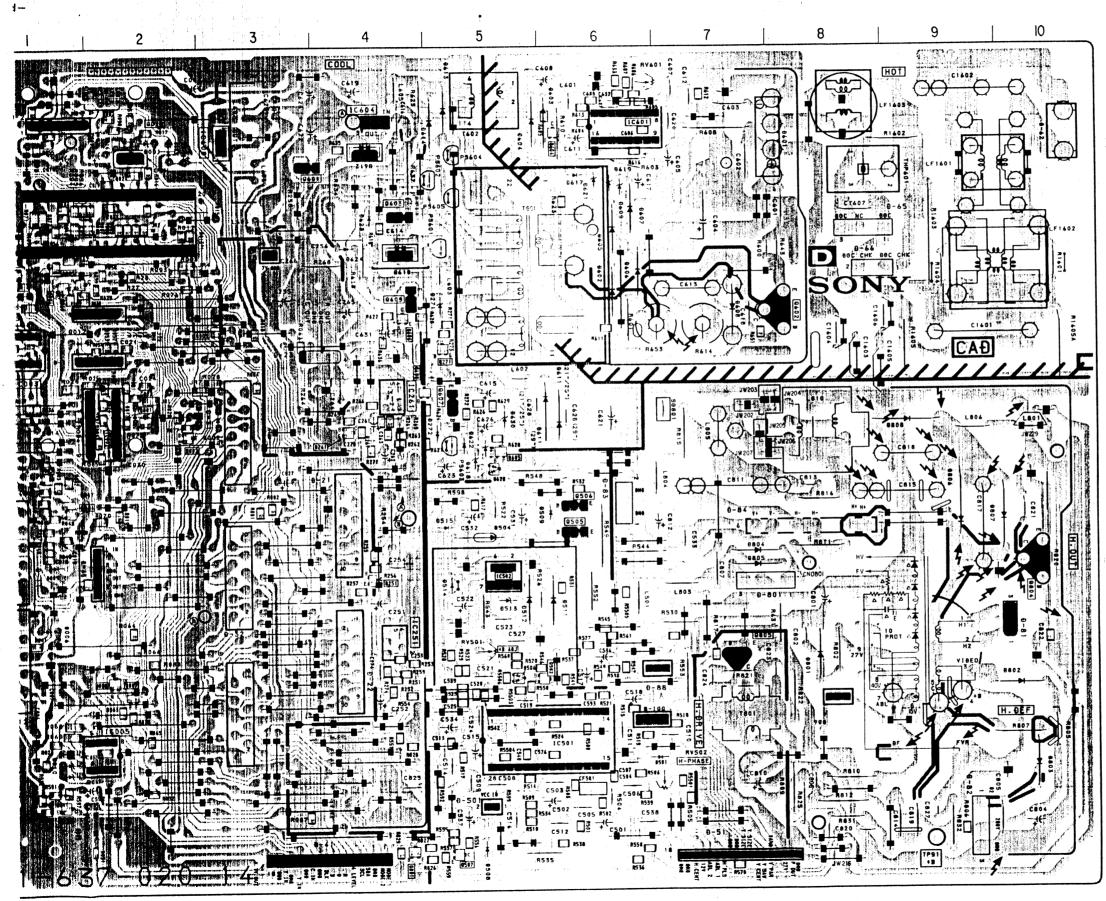




-D Board-



UNING CONTROL, POWER CONTROL, UDIO OUT, H/V OUT



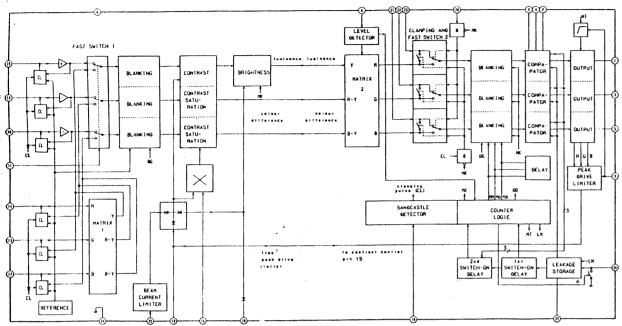
a			
	Q609 Q801 Q804	Q801	Q606 Q607 Q608
C-4	C - 4 G - 4 E - 10	C - 4 G - 4	C - 4 D - 5 C - 4
D805 D806		D806 D807 D808	D804
E-7 E-9	E-7 E-9 E-10 D-9	E - 9 E - 10	E-7



NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

B BOARD IC301 TDA4580-V7



B B0ARD IC302 TDA8442-N3

B B0ARD IC331 TDA4650

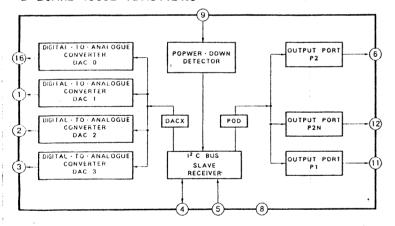
SCANNING

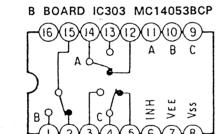
FORCEÐ

STANDARÐ SETTING

- 54 --

1 DENT





SAND CASLTE

PULSE DETECT

SECAM DL AMP ĐC FEEĐ 8 REF DRIVER MATRIX SECAM BURST SECAM DEEMPH ACC LIMITER BLANK ING BLANK COLOR KILLER PERMULATOR ACC DEMOD PAL/ NTSC PULSE SYSTEM SECAM SERVICE CONTROL PROCESSING NTSC ± 30° V/H/V+H STANDARD

21 080

PAL/NTSC

DIVIDER. PLL

· WAVEFORMS B BOARD

1 PAL. SECAM	1 NTSC 3.58/4.43	2) PAL, SECAM	② NTSC 3.58/4.43	3 PAL. SECAM	3 NTSC 3.58/4.43
] what	JJJJ			<i>ո</i> ւլխու <u>լ</u> խուլխո	brita brita
4.8 Vp-p(H)	5.0Vp-p (H)	4.8Vp-p (H)	4.8Vp-p (H)	4.8Vp-p(H)	4.8Vp-p (H)
4	5 PAL	5 SECAM	(5) NTSC 3.58/4.43	6 PAL, SECAM	6 NTSC 3.58/4.43
//	June J	Promp	-1	-1/1-1/1-1/1-	4
9.5Vp-p(H)	0.4Vp-p (H)	0.36Vp-p (H)	0.46Vp-p(H)	0.9Vp-p (H)	0.7Vp-p (H)
7 PAL. SECAM	7 NTSC 3.58/4.43	8 PAL	8 SECAM	8) NTSC 3.58/4.43	9 PAL
		7[1]1]	-171717-		<u></u>
1.1 Vp-p (H)	1.25Vp-p (H)	0.5Vp-p (H)	1.1Vp-p (H)	0.4Vp-p(H)	0.6Vp-p(H)
9 SECAM	9 NTSC 3.58/4.43	10 SECAM	1 SECAM	(12) PAL	(2) SECAM
1.5 Vp-p(H)	0.6Vp-p (H)	0.75Vp-p (H)	0.2Vp-p (H)	0.2Vp-p(H)	0.12Vp-p (H)
12 NTSC 3.58/4.43	(13) PAL	13 SECAM	(3) NTSC 3.58/4.43	14 PAL	14 SECAM
B-o-Mile-o-M	December 1		and the second	TEMPE	Section 1
0.17Vp-p (H)	0.4Vp-p (H)	0.12Vp-p (H)	0.3Vp-p(H)	1.25 Vp-p(H)	1.25Vp-p (H)
14) NTSC 3.58/4.43	15 PAL	15 SECAM	(15) NTSC 3.58/4.43	16 PAL, NTSC	(6) NTSC 3.58/4.43
-J	Transfer of the second	San Marian		2 John J.	- pt pt
1.1Vp-p (H)	1.25Vp-p (H)	1.25 Vp-p (H)	1.2Vp-p (H)	0.5Vp-p (H)	0.5Vp-p(H)

As to the voltage volue shown by the mark lpha on the Schematic Diagram, see the another list.

		PAL	SECAM	NTSC3.58	NTSC4.43
10301	(8)	0.1	0.1	5.8	0.1
	(26)	6.7	6.8	5.1	6.5
10331	(19)	3.1	3.6	3.1	2.8
	(I)	3.0	3.5	2.9	2.7
	(2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	5.6	5.6	7.1	7.2
	23 [7.5	7.0	5.6	5.6
	25)	0.1	0.1	0.1	5.8
	26)	0.1	D. 1	5.8	0.1
	27	0.1	5.8	0.1	0.1
	(28)	5.9	0.1	0.1	0.1
0331	(B)	0.1	0.1	5.8	0.1
	(C)	0.3	0.4	0	0.B
0333	(B)	4.4	4.4	4.4	4.4
Q334	(B)	4.9	0.1	4.8	4. B
0335	(B)	0.1	4.8	0.1	0.1

B BOARD

• B BUA		
IC301	TDA4580-V7	VIDEO PROCESSOR
IC302	TDA8442-N3	D/A CONVERTER I 2 C BUS
IC303	MC14053BCP	Y/C COMP SW
IC331	TDA4650	COLOR PROCESSOR
IC332	TDA4660-V2	1H-DEALY
IC1301	HIC2110	SHARPNESS CONTROL (29 INCH ONLY)
		;
Ω301	2SC2412K	Y AMP (21/25 INCH ONLY)
Q303	2SC2412K	STBY SW
Q305	DTA144EK	ANTI PRIORITY SCART
Q306	JC501	VIDEO BUF (HUE)
Q311	2SC2412K	ON SCREEN DISPLAY SW
Q312	2SC2412K	CANRL + BLK
Q313	2SC2412K	ON SCREEN DISPLAY
Q316	2SC2412K	FAS PICTURE MUTE SW
Q330	2SA1037K	VIDEO AMP
Q331	DTC124EK	NTSC SW
Q332	2SA1037K	VIDEO BUFF
Q333	2SA1037K	Y AMP
Q334	2SC2412K	PAL/NTSC SW
Q335	2SC2412K	SECAM SW
Q381	DTC124EK	MUTE
Q382	2SC2412K	ABL
Q1301	DTC124EK	Y BUFF
Q1305	2SC2412K	Y OUT (29 INCH ONLY)
Q1306	2SC2412K	Y OUT
4.000	ZSCZ41ZK	1 001
D301	1SS133	ACO AT STBY
D302	1SS133	ACO AT STBY
D303	1SS133	ACO AT STBY
D304	155133	DECOUPLING, BLK
D305	155133	PROT
D307	MTZ11C	PROT
D309	1SS133	PROT
D310	MTZ11C	PROT
D311	MTZ11C	PROT
D312	MTZ11C	PROT
D313	1SS133	PROT
D314	1SS133	5007
D315	1SS133	PROT
D316	1SS133	PROT
D317	1SS133	
D318	1SS133	PROT PROT
D319	1SS133	*
D319	1SS133	PROT
D320	1SS133	PROT
D331	1SS133	SECAM SW
D332	1SS133	SECAM SW
D350	MTZJ5.6C	SECAM SW
1 0330	INITZJ3.0C	PROT

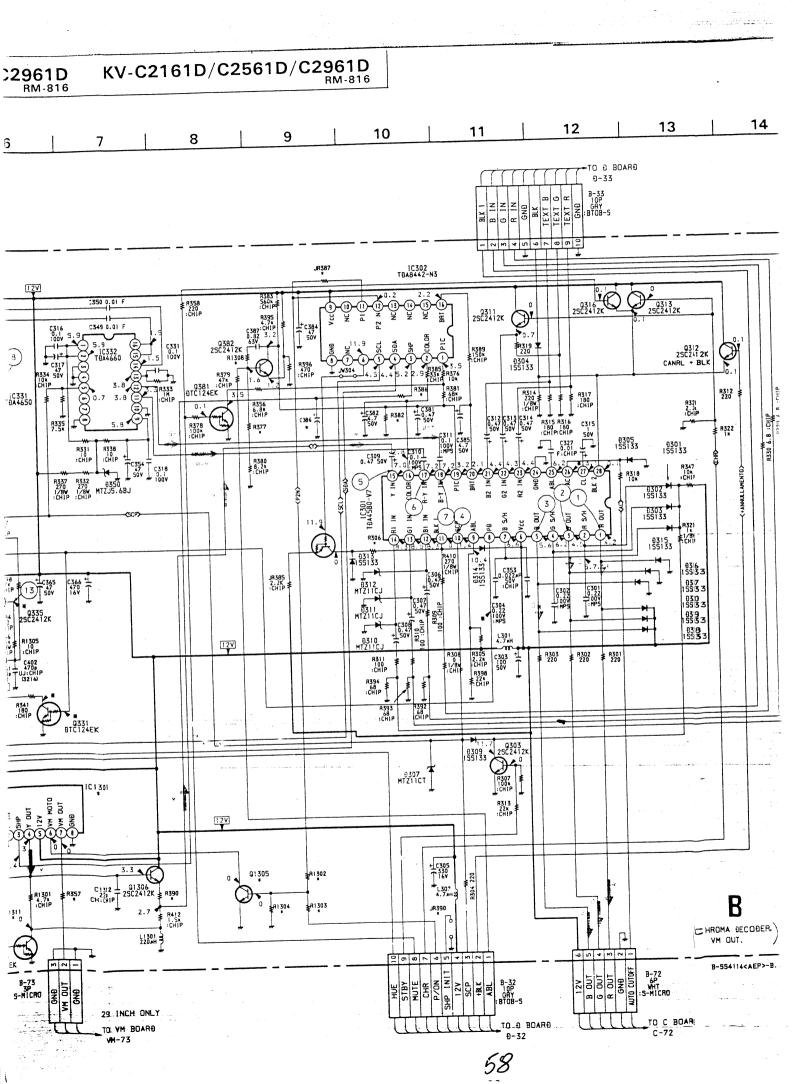
B BOARD * MARK

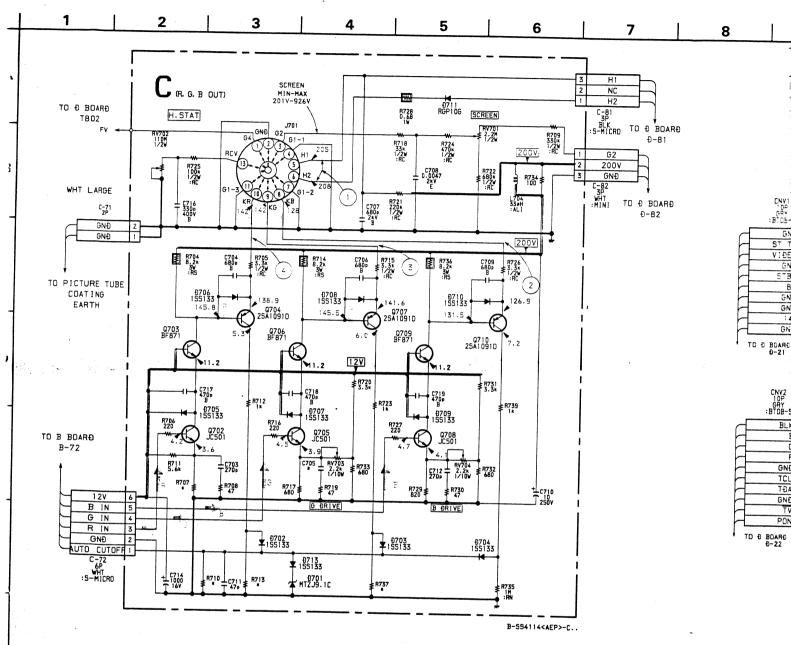
	· · · · · · · · · · · · · · · · · · ·	
21"	25″	29"
	-	3P
100P	100P	_
-	_	4.7 50V
56P	56P	33P
_	-	HIC2110
	-	0 : CHIP
0 : CHIP	'0 : CHIP	_
5.6 µ H	5.6 µ H	_
2SC2412K	2SC2412K	_
	-	2SC2412K
	-	0 : CHIP
680	680	-
680	680	-
220	680	-
	-	220
330	330	1.8K
270K	220K	220K
-	_	3.3K
220	220	100
-		47K
-	-	47K
-		100K
0	0	4.7K
	- 0 : CHIP 5.6 µ H 2SC2412K 680 680 220 330 270K 220	

- : NOT MOUNTED

	57

	1 2 3 4 5 6 7 8 9 10 11 12
Α	N N N N N N N N N N
B 	R347 1C302 T0A8442-N3 T0A
c	100 100
, D	(HUE) (134)
E	0336 05017P 0335 3.5 3.5 3.5 3.5 3.5 3.5 3.5
G	TO 0 BOARD 0-31 R368
н	YC. 5V 5 1 1 1 1 1 1 1 1 1
-	R351 R401 1.0HiP 2.9 3.6 R350
J	B-73 S-HICRO B-73 S-HICRO B-37 S-HICRO B-

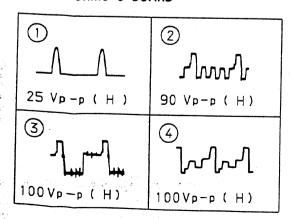




C

· WAVEFORMS C BOARD

SE \$2.5

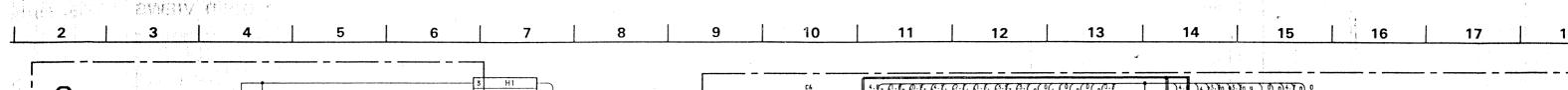


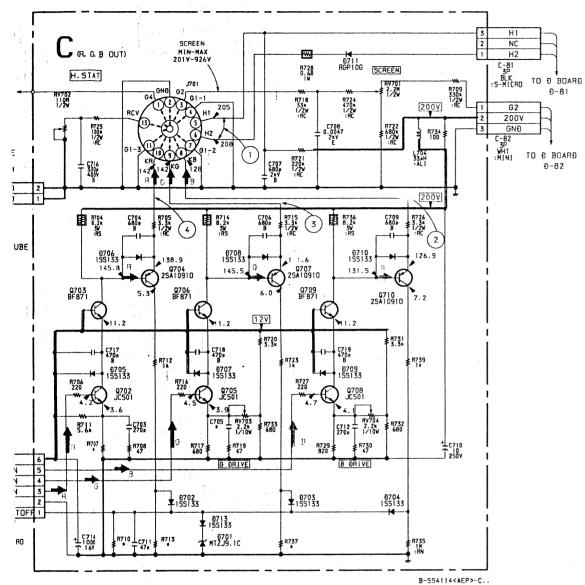
. C BOARD

JC501	R DRIVE
BF871	R OUT
2SA10910	ACO MEASURING
JC501	G DRIVE
BF871	G OUT
2SA10910	ACO MEASURING
JC501	B DRIVE
BF871	B OUT
2SA10910	ACO MEASURING
MTZJ9.1C	PROTECT
1SS133	PROTECT
15\$133	PROTECT
1SS133	PROTECT
1SS133 ! "	PROTECT
RGP10G	HEATING VOLTAGE REC
1SS133	PROTECT
	BF871 2SA10910 JC501 BF871 2SA10910 JC501 BF871 2SA10910 MTZJ9.1C 1SS133

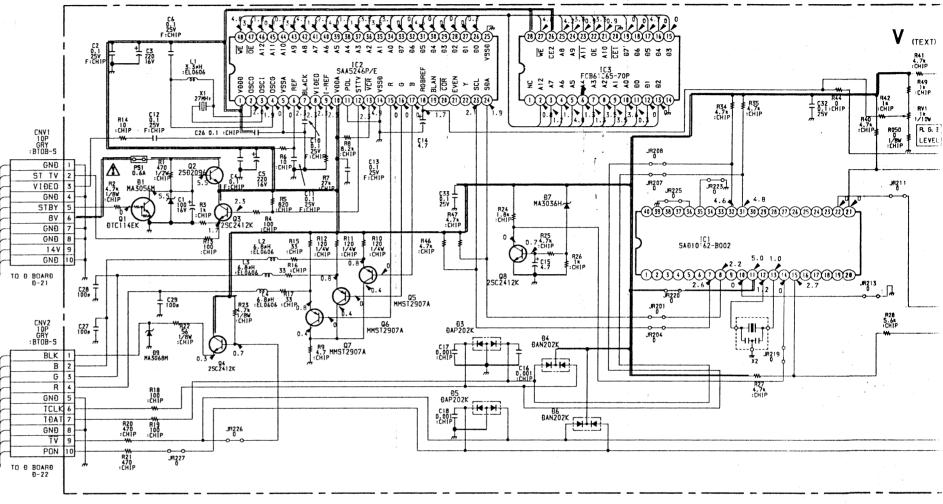
C BOARD

C705	
R707	Г
R710	
R713	
R737	





S WKIT I III



ORMS C BOARD

	2 (my)
р (Н)	90 Vp-p (H)
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
р (Н)	100Vp-p (H)

. C BOARD

• C BOA	אט	
Q702	JC501	R DRIVE
Q703	BF871	R OUT
Q704	2SA10910	ACO MEASURING
Q705	JC501	G DRIVE
Q706	BF871	G OUT
Q707	2SA10910	ACO MEASURING
Q708	JC501	B DRIVE
Q709	BF871	B OUT
Q710	2SA10910	ACO MEASURING
6		
D7 , 01	MTZJ9.1C	PROTECT
D702	1SS133	PROTECT
D703	1SS133	PROTECT
D704	1SS133	PROTECT
D705	1SS133	PROTECT
D706	1SS133	PROTECT
D707	1SS133	PROTECT
D708	1SS133	PROTECT
D709	1SS133	PROTECT
D710	1SS133	PROTECT
D711	RGP10G	HEATING VOLTAGE REC
D713	155133	PROTECT

C BOARD * MARK

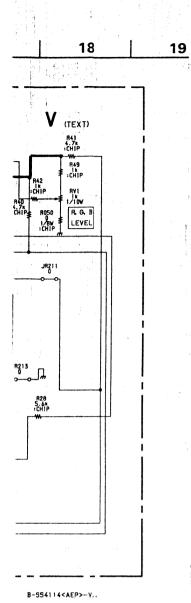
	21 "	25″	29"
C705	180P	220P	220P
R707	430	390	390
R710	100K	68K	68K
R713	160K	120K	120K
R737	390K	820K	470K

- : NOT MOUNTED

· V BOARD

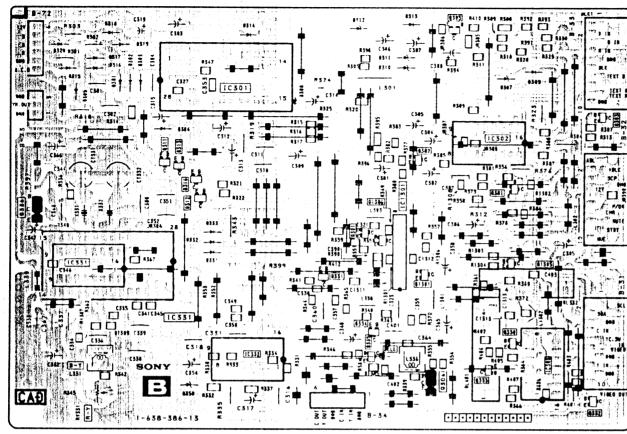
IC1	SDA20162-B002	MICRO-CONT
IC2	SAA5246P/E	IVT
IC3 ·	FCB61C65-70P	STATIC-RAM
		<u> </u>
Q1	DTC114EK	STAD BY
Q2	2SD2096	5V REG
Q3	2SC2412K	SYNC BUFFER
Q4	2SC2412K	BLK OUT
Q5	MMST2907A	B OUT
Q6	MMST2907A	G OUT
Q7	MMST2907A	R OUT
Q8	2SC2412K	RESET
D1	MA3056M	5V REG
D3	DAP202K	PROTEC
D4	DAN202K	PROTEC
D5	DAP202K	PROTEC
D6	DAN202K	PROTEC
D7	MA3036H	PROTEC
D9	MA3068M	PROTEC

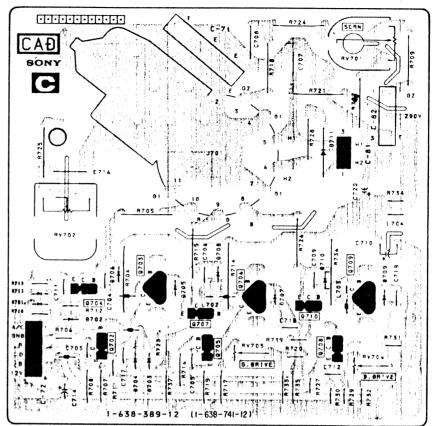
B-5541 14<AEP>-V



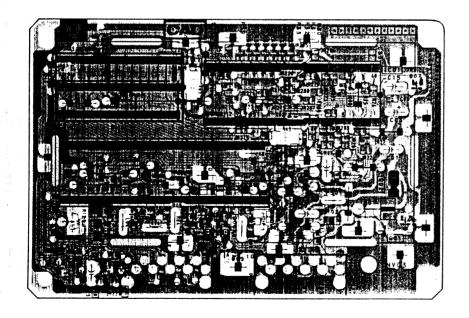
B [CHROMA DECODER] C [R. G. B OUT] V [TELE TEXT]

-C Board-





-V Board-

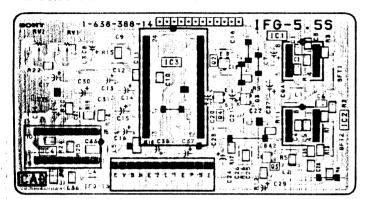


· Pattern from the side which enables seeing

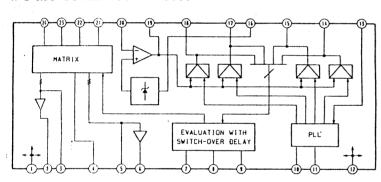
· Pattern of the rear side



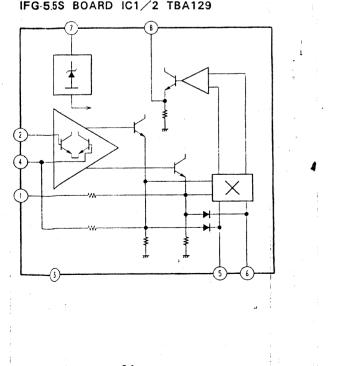
-IFG-5.5S Board-

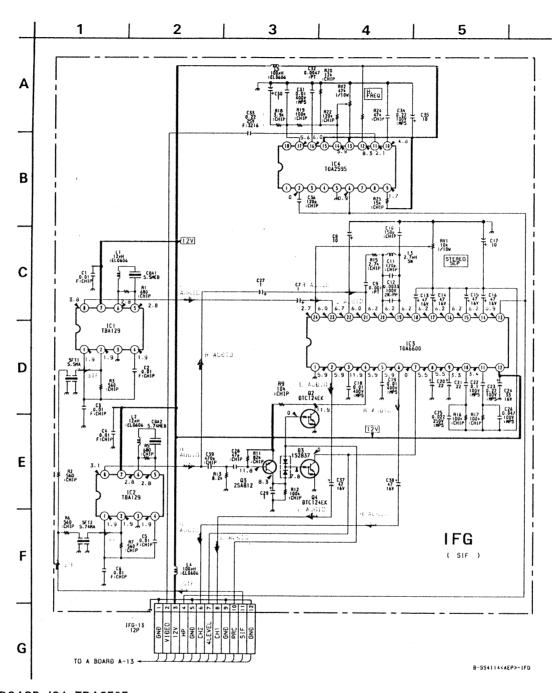


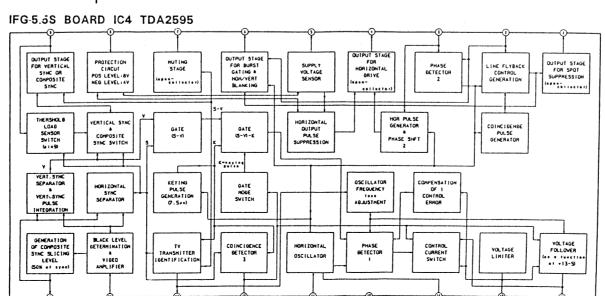
IFG-5.5S BOARD IC3 TDA6600



IFG-55S BOARD IC1/2 TBA129

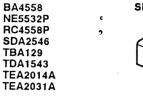


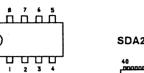




-- 65

5-4. SEMICONDUCTORS

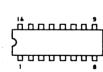
















SAA5246P/E/M4A SAA5246P/E SAA5246P/H

SBX1610-11



SDA20560-A012



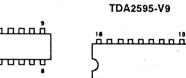
SN74LS02N

1413121110 9 8

1234567

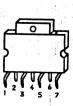
TDA2050







TDA8170



TDA8732



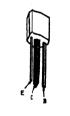
BF871



DTA144EK DTC114EK DTC124EK DTC144EK 2SA1162-G 2SB1295-UL6 2SC1623-L5L6



DTC1 44ES



2SA1 091-0



2SA1220A-P 2SC2588-LK



SECTION 6 EXPLODED VIEWS

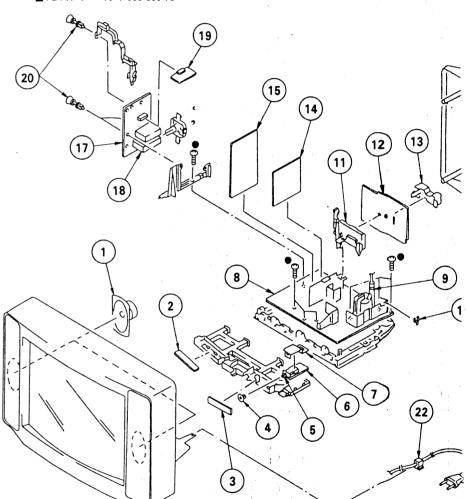
- Items with no part number and no description are not stocked because they are seldom required for routine service.
 The construction parts of an assembled
- part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark A are critical for safety. Replace only with part number

specified.

6-1. CHASSIS (KV-C2161D)

- : BVTP 3 × 12 7-685-648-79
- ■: BVTP 4 × 16 7-685-663-79



PART	NO.
	PART

DESCRIPTION

544-525-11	SPEAKER
638-391-11	HI BOARD
638-392-11	H2 BOARD
386-611-01	COVER, SWITCH
571-433-12	SWITCH, PIISH (AC POWER)
638-390-11	F BOARD
200-757-01	COVER, POWER SWITCH
1642-035-A	D BOARD, COMPLETE

REMARK | REF. NO. PART NO.

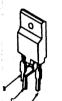
▲ 1-439-416-51 *3-646-071-00 *4-20-624-11 TRANSFORMER ASSY, FLYBACK (UX-1650)1 HOLDER, WIRE BRACKET, J

2SB734-34 2SD773-34 2SD774-34

2SC2785-HFE

LETTER SIBE

2SD1548-LB 2SD1941-06



2SD2096-EF



BB405B BB809 EGP20G ERC06-15S HZS11NB3TD RU-3AM



CTU-12S

MTZJ-13B MTZJ-15A MTZJ-3.9B MTZJ-33A MTZJ-36D MTZN-10C

RD11ES-B3

RD5.6ESB2

RD6.2ES-B2 RD6.8ESB2 RD7.5ESB2

RD9.1ESB3

UZ-4.7BSC

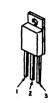
RD3.6M-B2

RD5.6M-B2 RD6.8M-B2

RGP02-17

155119

LD-201VR



DAP202K



D4SB60L-F

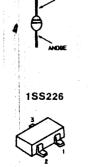


ERD29-08J



MA152WK





U05G

-UL6 -L5L6

4ES

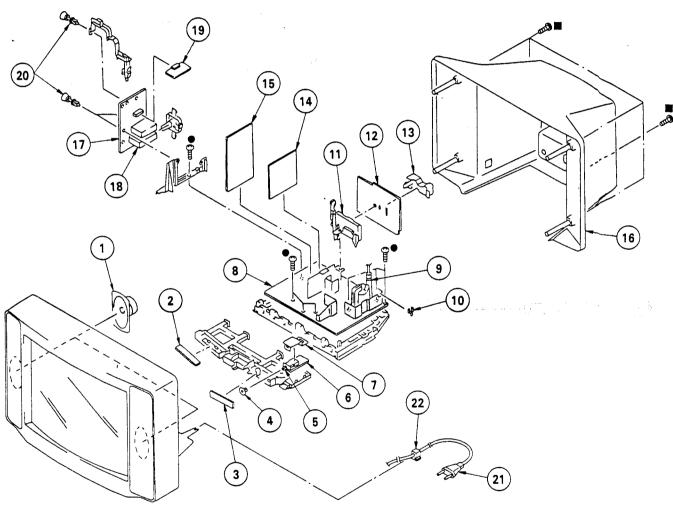
SECTION 6 EXPLODED VIEWS

- Items with no part number and no description are not stocked because they are seldom required for routine service. The construction parts of an assembled part are indicated with a collation
- number in the remark column.
- *Items marked " * are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

6-1. CHASSIS (KV-C2161D)

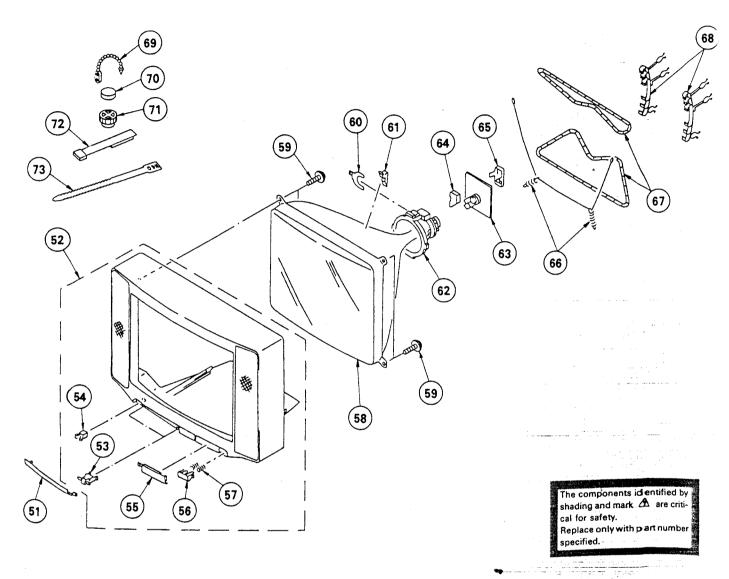
- ●: BVTP 3 × 12 7-685-648-79
- ■: BVTP 4 × 16 7-685-663-79



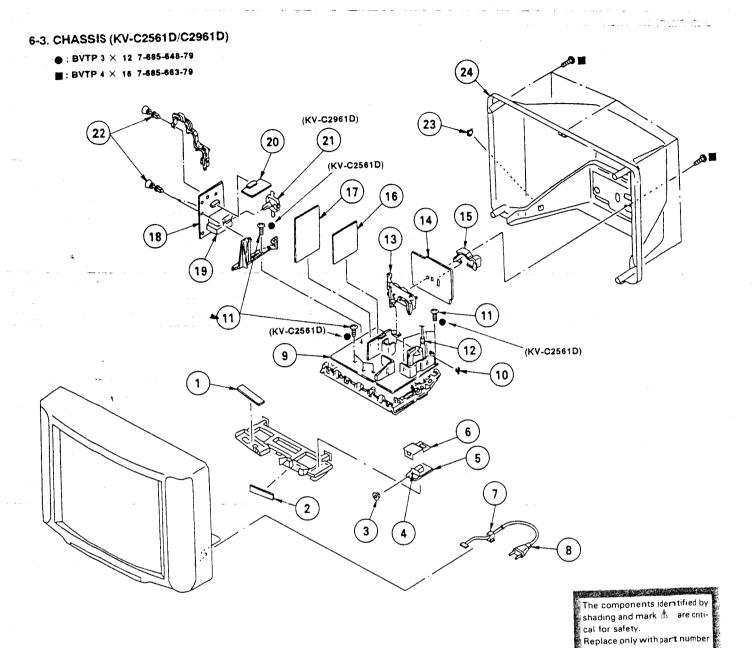
REMARK REMARK | REF. NO. PART NO. DESCRIPTION DESCRIPTION REF. NO. PART NO. JI BOARD, COMPLETE
BRACKET, TERMINAL
V BOARD, COMPLETE
B BOARD, COMPLETE
COVER, REAR
A BOARD, COMPLETE
TUNER, ET (UV-816(PLL))
IFG BOARD, COMPLETE
RIVET, T TYPE
CORD, POWER (WITH NOISE IL LTER)
HOLDER, AC CORD 1-544-525-11 *1-638-391-11 *1-638-392-11 4-386-611-01 **A** 1-571-433-12 *1-638-390-11 4-200-757-01 *A-1642-035-A **A** 1-439-416-51 *3-646-071-00 *4-386-624-11 *A-1651-018-A SPEAKER 4-200-014-01 *A-1645-013-A *A-1621-046-A HI BOARD H2 BOARD COVER, SWITCH SWITCH, PUSH (AC POWER) 13 14 15 *A-1621-040-8 4-033-072-01 *A-1632-022-A 1-465-301-11 *A-1654-004-A 4-386-618-01 A 1-590-501-11 16 F BOARD COVER, POWER SWITCH D BOARD, COMPLETE TRANSFORMER ASSY, FLYBACK (UX-1650) 18 19 20 21 22 HOLDER, WIRE BRACKET, J ▲ 4-389-201-03 *4-386-624-11

SOFT AND THE

6-2. PICTURE TUBE (KV-C2161D)



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.N	NO. PART NO.	DESCRIPTION REMARK
51	DOOR ASSY CABINET ASSY (WITH BEZEL ASSY) SHAFT, LID CATCHER, PUSH WINDOW, ORNAMENTAL BUTTON, POWER SPRING PICTURE TUBE (A51JXH61X) SCREW (S), PT MACNET, BMC SPACER, DY DEFLECTION YOKE (Y21PFA2)	53~57	63 64 65 66 67 68 69 70 71 72 73		C BOARD, COMPLETE COVER (MAIN), CV COVER (REAR LID), CV SPRING, EXTENSION COIL, DEMACNETEZATION BAND, DGC CLIP, LEAD WIRE MAGNET, DISK; 10MM MAGNET, ROTATABLE DISK; 15MM PERMALLOY ASSY, CONVERGENCE BAND, BINDING

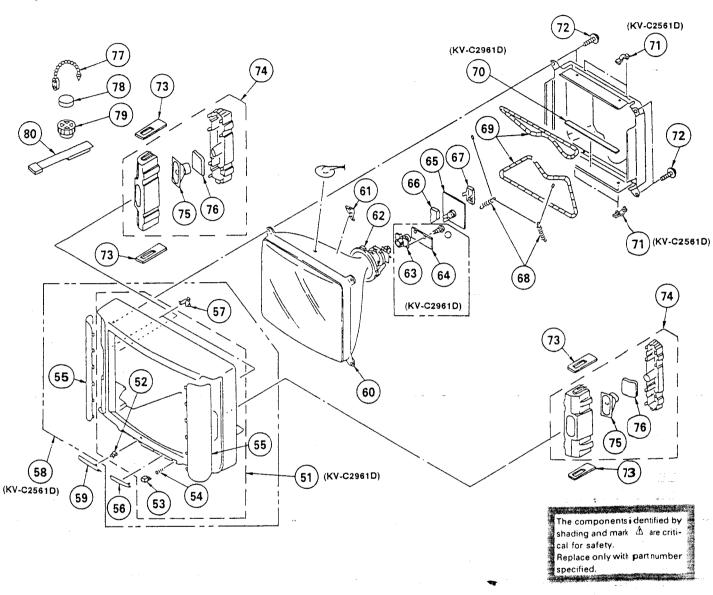


REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
*1-638-391-11 2 *1-638-745-11 *1-638-392-11 3 4-386-611-01 4 1-571-433-12 5 *1-638-743-11 *1-638-390-11 4-200-952-01 7 1-389-201-03 8 1-590-501-11 9 *1-642-062-A *3-646-071-00 11 4-364-802-00 12 1-439-416-41	F BOARD (KV-C2961D) F BOARD (KV-C2961D) COVER, POWER SWITCH (KV-C2961D) HOLDER, AC CORD (KV-C2961D) HOLDER, AC CORD (KV-C2961D) CORD, POWER (WITH NOISE FILTER) D BOARD, COMPLETE (KV-C2961D) B BOARD, COMPLETE (KV-C2961D) HOLDER, WIRE (KV-C2961D) SCREW (3.5X13) (KV-C2961D) TRANSFORMER ASSY, FLYBACK (NX-1) TRANSFORMER ASSY, FLYBACK (IX-1)	60 4) V-C2561I	14 15 16 17 18 19 20 21 22 23 24	*4-386-624-01 *4-386-624-11 *A-1651-023-A *A-1651-038-A 4-200-014-01 *A-1645-012-A *A-1645-012-A *A-1621-041-A *A-1621-040-A *A-1632-054-A *A-1632-094-A \$A-1654-005-A *A-1654-008-A *4-386-618-01 4-202-032-01 4-202-032-01 4-202-032-01	B BOARD, COMPLETE (KY-C296ID) A BOARD, COMPLETE (KY-C296ID) A BOARD, COMPLETE (KY-C296ID) TUNER, ET (UV-816(PLL)) IFG BOARD, COMPLETE (KY-C296ID) IFG BOARD, COMPLETE (KY-C296ID) HOLDER, TERMINAL (KY-C296ID) RIVET, T TYPE COVER, TERMINAL (KY-C296ID) COVER, TERMINAL (KY-C296ID) COVER, REAR (KY-C296ID)	

specified.

6-4. PICTURE TUBE (KV-C2561D/C2961D)

O: BVTP 3 × 8 7-685-646-79



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.N	O. PART NO.	DESCRIPTION	HEMARK
51	X-4200-098-1	CABINET ASSY (WITH BEZEL ASSY)	52~54 -C2961D)	64 65	*1-634-193-11 *A-1638-015-A	C BOARD, COMPLETE	(KV-C256D)
52 53 54	4-392-036-01 4-202-022-01 4-200-991-01 4-329-112-00	CATCHER, PUSH BUTTON, POWER (KV-C2561D) BUTTON, POWER (KV-C2961D) SPRING (KV-C2561D)		66 67 68	*A-1638-013-A *4-379-167-01 *4-379-160-01 4-303-774-99 4-369-318-00	C BOARD, COMPLETE COVER (MAIN), CV COVER (REAR LID),	(KV-C296I))
55 56	4-329-112-41 X-4200-101-1 X-4200-099-1 4-202-020-01	SPRING (KV-C2961D) PLATE ASSY, ORNAMENTAL (KV-C2561 PLATE ORNAMENTAL ASSY (KV-C2961D WINDOW, ORNAMENTAL (KV-C2561D)	D)	70	▲ 1-426-372-11 ▲ 1-426-398-11 3-651-853-01	COIL, DEMAGNETIZAT COIL, DEMAGNETIZAT CUSHION (KV-C2961D	ION (KY-C2 961D)
57 58	4 -200-989-01 4 -202-023-01 4 -200-992-01 X -4200-100-1	WINDOW, ORNAMENTAL (KV-C2961D) CLIP, CONTACT (KV-C2961D) CLIP, CONTACT (KV-C2961D) CABINET ASSY (WITH BEZEL ASSY)	52~57	71 72 73	*4-385-916-01 4-373-263-11 4-200-976-01 4-202-027-01	HOLDER (D) (KY-C25) SCREW (M), PT (KY- SCREW, PT (KY-C296 CUSHION, BOX (KY-C	C2561D) 1D) 2561D)
. 59 . 60 <u>∧</u>	4 -202-021-01 4 -200-990-01 8 -733-231-05	DOOR (KV-C2561D)	-C2561D)	74 75 76	4-200-995-01 A-1678-036-A A-1678-048-A 1-504-146-11 4-202-029-01	CUSHION, BOX (KV-C BOX COMPLETE ASSY BOX ASSY (KV-C2961) SPEAKER (5X11CM) STOPPER (KV-C2561D	(KV-C256ID) 75,76 D) 75,76
62 _ ∧	3-704-495-01 1-451-311-21	SPACER DY DEFLECTION YOKE (Y25FXA) (KV-C25 DEFLECTION YOKE (Y29FXA) (KV-C29 NECK ASSY, PICTURE TUBE (NA-308)	61D)	77 78 79	4-200-999-01 4-308-870-00 1-452-032-00 1-452-094-00 X-4306-312-0	STOPPER (KV-C2961D) CLIP, LEAD WIRE MAGNET, DISK: 10MM MAGNET, ROTATABLE PERMALLOY ASSY, CO) Ø DISK; 15HK Ø

KV-C2161D/C2561D/C2961D

SECTION 7 ELECTRICAL PARTS LIST



NOTE:

The components identified by shading and mark $ext{$\Delta$}$ are critical for safety.

Replace only with part number specified.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When indicating parts by reference number, please include the board name.

CAPACITORS

COILS

• MF : µF, PF : µµF

• MMH : inH, UH : μH

RESISTORS

- All resistors are in ohms
 F : nonflammable

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REF.	NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
	1	*A-1621-046-A *A-1621-041-A	B BOARD, COMP	LETE (KV-0 **** LETE (KV-0 ****	C2161D)		C345 C346 C347 C348	1-163-123-00 1-163-033-00 1-124-903-11 1-124-903-11 1-163-031-11	CERAMIC CHIP CERAMIC CHIP ELECT ELECT CERAMIC CHIP	180PF 0.022MF 1MF 1MF 0.01MF	5% 20% 20%	50V 50V 50V 50V 50V
		*A-1621-040-A <coni *1-565-393-11="" *1-565-393-11<="" *1-568-878-51="" *1-568-881-51="" td=""><td>NECTOR></td><td>****</td><td></td><td></td><td>C350 C351 C352 C353 C354</td><td>1-137-102-11 1-137-102-11 1-163-063-00</td><td>FILM</td><td>0.022MF</td><td>10% 10% 10% 20%</td><td>50V 250V 250V 50V 50V</td></coni>	NECTOR>	****			C350 C351 C352 C353 C354	1-137-102-11 1-137-102-11 1-163-063-00	FILM	0.022MF	10% 10% 10% 20%	50V 250V 250V 50V 50V
B7: B7: B3: B3: B3:	2 3 1 2 3	*1-568-881-51 *1-568-878-51 *1-565-393-11 *1-565-393-11 *1-565-393-11	PIN, CONNECTOR CONNECTOR, BC CONNECTOR, BC				C357 C358 C359 C360 C364	1-163-377-11 1-124-917-11		100PF 33MF 27PF 0.01MF 33PF	5% 20% 5%	50V 50V 50V 50V
-		<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td>C365</td><td>1-124-910-11</td><td>ELECT</td><td>47MF 470MF</td><td></td><td>50Y</td></cap<>	ACITOR>				C365	1-124-910-11	ELECT	47MF 470MF		50Y
C3 C3 C3	02 03	1-137-031-11 1-137-031-11 1-124-122-11 1-137-031-11	ELECT FILM	0.22MF 0.22MF 100MF 0.22MF	20% 10%	100V 100V 50V 100V	C366 C367 C381 C382	1-126-103-11 1-101-004-00 1-124-902-00 1-124-927-11	CERAMIC	0.01MF 0.47MF 4.7MF	20% 20%	16V 50V 50V 50V
C3	05	1-124-119-00			20%	167	C384	1-124-910-11 1-124-927-11	ELECT ELECT ELECT	47MF 4.7MF	20% 20%	50V 50V
C3	06 07	1-124-902-00 1-124-902-00	ELECT ELECT	0.47MF 0.47MF	20% 20%	50V 50V	C385 C386	1-124-927-11	ELECT	4.7MF	20%	50V (KV-C2961D)
Č3 C3	08	1-124-902-00 1-124-902-00	ELECT	0.47MF 0.47MF	20% 20%	50Y 50Y	C387	1-137-027-11	FILM	0.82MF	10%	637
C3 C3	11 112 113	1-137-098-11 1-137-098-11 1-124-902-00 1-124-902-00	FILM FILM ELECT	0.1MF 0.1MF 0.47MF 0.47MF	10% 10% 20% 20%	100V 100V 50V 50V	C388 C401 C402 C403	1-137-098-11 1-101-361-00 1-163-197-00 1-163-031-11	FILM CERAMIC CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 150PF 470PF 0.01MF	10% 5% 5% 5%	100V 50V 50V 50V 50V
C3	14	1-124-902-00	ELECT ELECT	0.47MF 1MF	20 % 20 %	50V 50V	C1311	1-163-111-00	CERAMIC CHI	2 5624		61D, C2561D)
	315	1-124-903-11		0.1MF		100V		1-163-105-00	CERAMIC CHI	P 33PF	5%	50V (KV-C2961D)
C3 C3	316 317 318 321	1-137-098-11 1-124-910-11 1-137-098-11 1-163-117-00	ELECT FILM	47MF 0.1MF	20% 10% 5% (KV-C216)	50Y 100Y 50Y	C1312 C1313	1-163-235-11 1-102-953-00	CERAMIC CHI CERAMIC	P 22PF 18PF	5% 5%	50V 50V
C	323	1-102-947-00	CERAMIC	10PF 0.01MF	0.5PF	507			RIMMER>			
C: C: C:	327 330 331 332		CERAMIC CHIP CERAMIC CHIP FILM	0.01MF 0.1MF 470MF	5% 10% 20%	50V 50V 100V 16V	1	1-141-418-1; 1-141-181-1; 1-141-418-1; 1-141-181-1	CAP, IRIAME I CAP, ADJ (K	V-C2161D.	C2961D)	
C	333	1-137-102-11		0.022MF P 27PF	10% 5%	250V 50V						
0 0	334 335 336 337	1-163-237-11 1-163-237-11 1-102-816-00 1-101-004-00	CERAMIC CHII CERAMIC	P 27PF 120PF 0.01MF	5% 5% 5%	50 V 50 V 50 V	D301 D302	8-719-911-1 8-719-911-1	9 DIODE ISSII	9		
C C	338 339 341	1-137-098-11 1-137-098-11 1-163-125-00	FILM CERANIC CHI	0.1MF 0.1MF P 220PF	10% 10% 5%	100V 100V 50V 100V	D303 D304 D305	8-719-911-1 8-719-911-1 8-719-911-1	9 DIODE ISSII 9 DIODE ISSII	.9 :9		
C	343 344	1-137-094-11 1-137-033-11		0.047MF 0.33MF	10% 10%	1007	D307 D309	8-719-110-2 8-719-911-1	3 DIODE RDIIE 9 DIODE ISSI	ES-B3 19		

$\text{KV-C2161D/C2561D/C2961D}_{\text{RM-81}\varepsilon}$

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
D310 D311 D312 D313 D314	8-719-110-23 8-719-110-23	DIODE RD11ES-B3 DIODE RD11ES-B3 DIODE RD11ES-B3 DIODE 1SS119 DIODE 1SS119		JR385 JR387	<res 1-216-206-00="" 1-216-295-00<="" td=""><td>ISTOR> METAL GLAZE METAL GLAZE</td><td>2.2K 0</td><td>5% 5%</td><td>1/8W 1/10W (KV-C2961D)</td></res>	ISTOR> METAL GLAZE METAL GLAZE	2.2K 0	5% 5%	1/8W 1/10W (KV-C2961D)
D315 D316 D317 D318 D319		DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		JR390 R301 R302 R303	1-216-295-00 1-249-409-11 1-249-409-11 1-249-409-11	CARBON	0 220 220 220	5% 5% 5% 5%	1/10W -C2161D,C2561D) 1/4W 1/4W 1/4W
D320 D331 D332 D333 D350	8-719-109-89	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE RD5.6ES-B2		R304 R305 R307 R308 R309	1-249-409-11 1-216-057-00 1-216-097-00 1-216-296-00 1-216-025-00		220 2.2K 100K 0 100	5% 5% 5% 5%	1/4W 1/10W 1/10W 1/8W 1/10W
	<del< td=""><td>AY LINE></td><td></td><td>R310 R311</td><td>1-216-025-00 1-216-025-00</td><td>METAL GLAZE</td><td>100 100</td><td>5% 5%</td><td>1/10W 1/10W</td></del<>	AY LINE>		R310 R311	1-216-025-00 1-216-025-00	METAL GLAZE	100 100	5% 5%	1/10W 1/10W
DL332 DL401	1-236-062-11 1-415-613-11	MODULE, Y DEŁAY LI DELAY LINE, Y	NE	R312 R313 R314	1-249-409-11 1-216-081-00 1-216-182-00	CARBON METAL GLAZE METAL GLAZE	220 22K 220	5% 5% 5% 5%	1/4W 1/10W 1/8W
I C301 I C302	<1C> 8-759-517-43 8-759-980-60	IC TDA4580-V7 IC TDA8442N3	CTURE (KV-C2961D)	R315 R316 R317 R318 R319	1-216-031-00 1-216-031-00 1-216-031-00 1-249-429-11 1-249-409-11	METAL GLAZE METAL GLAZE CARBON	180 180 180 10K 220	5% 5% 5% 5%	I/10 W 1/10 W 1/10 W 1/4 W I/4 W
I C303 I C331 I C332	8-759-140-53 8-759-521-22 8-759-505-39	IC UPD4053BC IC TDA4650/V4 IC TDA4660V2		R320 R321	1-216-198-00 1-216-057-00		1 K 2.2 K	5% 5%	1/8W 1/10W
IC1301	1-235-534-11	CONTROL MODULE, PI	CTURE (KV-C2961D)	R322 R328 R329	1-216-049-00 1-216-311-00 1-216-311-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 6.8 6.8	5% 5% 5%	1/10 W 1/10 W 1/10 W
	<c01< td=""><td>L></td><td></td><td>R330</td><td>1-216-311-00</td><td>METAL GLAZE</td><td>6.8</td><td>5% 5%</td><td>1/10W</td></c01<>	L>		R330	1-216-311-00	METAL GLAZE	6.8	5% 5%	1/10 W
L301 L302 L303 L331	1-410-868-11 1-410-868-11 1-408-406-00 1-404-554-11	INDUCTOR 4.7 INDUCTOR 4.7 INDUCTOR 5.6 COIL	'UH UH UH (KV-C2161D,C2561D)	R331 R332 R333 R334	1-216-001-00 1-216-184-00 1-216-121-00 1-216-073-00	METAL GLAZE	10 270 1 M 10K	5% 5% 5%	1/100 1/8W 1/100 1/100
L336 L338	1-404-554-11 1-408-409-00	COIL INDUCTOR 10U	JH UH TH	R335 R336 R337	1-247-852-11 1-216-061-00 1-216-184-00 1-216-001-00	CARBON METAL GLAZE METAL GLAZE METAL GLAZE	7.5K 3.3K 270 10	5% 5% 5% 5% 5%	1/4W - 1/10 W 1/8W 1/10 W
L1302	1-408-425-00 1-408-419-00	INDUCTOR 68U	IH .	R339	1-216-033-00	METAL GLAZE	220		I/10W
	<tra< td=""><td>NSISTOR></td><td></td><td>R341 R342</td><td>1-216-031-00 1-216-041-00</td><td>METAL GLAZE</td><td>180 470</td><td>5% 5%</td><td>1/10W 1/10W</td></tra<>	NSISTOR>		R341 R342	1-216-031-00 1-216-041-00	METAL GLAZE	180 470	5% 5%	1/10W 1/10W
Q301 Q303		TRANSISTOR 2SC1623	I-L5L6 (KV-C2161D,C2561D)	R344 R346 R347	1-216-089-00 1-216-202-00 1-216-073-00	METAL GLAZE META L GLAZE METAL GLAZE	47K 1.5K 10K	5% 5% 5%	1/10M 1/10M
9305 9306	8-729-120-28 8-729-901-06 8-729-119-78	TRANSISTOR 2SC1623 TRANSISTOR DTA1448 TRANSISTOR 2SC2785	CK .	R343 R349	1-216-089-00 1-216-045-00		47K 680	5% 5%	1/10 6 -1/10 6 -C216 1 D,C2561D)
Q311 Q312 Q313	8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR 2SC1623 TRANSISTOR 2SC1623 TRANSISTOR 2SC1623	3-L5L6	R350	1-216-045-00	METAL GLAZE	680	5%	1/10 W -C216 1 D,C2561D)
Q316 Q330	8-729-120-28 8-729-216-22	TRANSISTOR 25C1623 TRANSISTOR 25A1162	3-L5L6	R351	1-216-033-00	METAL GLAZE	220	5% (KV	1/10 W -C216 1 D,C2561D)
Q331 Q332 Q333	8-729-901-00 8-729-216-22 8-729-216-22	TRANSISTOR DTC124E TRANSISTOR 2SA1162 TRANSISTOR 2SA1162	SK 2-G	R354 R355 R356	1-216-033-00 1-216-061-00 1-216-069-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 3.3K 6.8K	5% 5% 5%	1/10 6 1/10 6 1/10 6
Q334 Q335	8-729-120-28 8-729-120-28	TRANSISTOR 25C1623 TRANSISTOR 25C1623	3-L5L6	R357	1-216-033-00	METAL GLAZE	220	5%	1/10W (KV-C2961D)
91301	8-729-901-00 8-729-120-28 8-729-001-00	TRANSISTOR DTC1248 TRANSISTOR 2SC1623	EK 3-L5L6	R358 R359 R360	1-216-033-00 1-216-089-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 47K 47K	5% 5% 5%	1/10CM 1/10CM 1/10CM
Q1305	8-729-120-28 8-729-120-28	TRANSISTOR DTC124E TRANSISTOR 2SC1623 TRANSISTOR 2SC1623	3-L5L6 (KV-C2961D)	R361 R363	1-216-057-00 1-216-055-00		2.2K 1.8K	5% 5%	1/10(m) 1/10(m)
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KV-C2161D/C2561D/C2961D

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	REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
	R364 R365 R366 R367 R370	1-216-059-00 1-216-047-00 1-216-059-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.7K 820 2.7K 220 220	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	X331 X332	<crys 1-567-307-11 1-567-131-00</crys 	STAL> OSCILLATOR, CRYS	STAL STAL	
	R372 R376	1-216-023-00 1-249-429-11	METAL GLAZE CARBON	82 10K	5% 5%	1/10W 1/4W			*****		*********
	R377	1-216-037-00	METAL GLAZE	330	5%	1/10W -C2161D,C2561D)		*1-638-390-11	F BOARD (KV-C216	51D,C2961D)	
		1-216-055-00	METAL GLAZE	1.8K	5%	1/10W		*1-638-743-11	F BOARD (KV-C256	51D)	
ry Malayana, 1944	R378 R379 R380	1-216-097-00 1-216-089-00 1-216-071-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100K 47K 8.2K 68K	5% 5% 5%	(KY-C2961D) 1/10W 1/10W 1/10W 1/10W		*4-341-752-01	EYELET		
	R381 R382	1-216-093-00	METAL GLAZE	270K	5%	1/10₩	i 		NECTOR>	(00000)	tw.
	11,502	1-216-105-00		220K	5¥	(KV-C2161D) 1/10W	F61 F62	*1-580-844-11 *1-580-844-11	PIN, CONNECTOR ((POWER)	
	R383	1-216-115-00	METAL GLAZE	560K	5% (KV	-C2561D,C2961D) 1/10W	1	<fus< td=""><td>F></td><td></td><td></td></fus<>	F>		
	R384 R385 R386	1-216-029-00 _1-216-085-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE	150 33K 3.3K	5% 5% 5%	1/10W 1/10W 1/10W (KY-C2961D)	F160L	▲ 1-576-231-21	FUSE (H.B.C.) 4/ HOLDER, FUSE; F	A/250V 1601	eren are Aren er
	R387	1-216-049-00	METAL GLAZE	1 K	5%	1/10₩	 	<swi< td=""><td>TCH></td><td></td><td></td></swi<>	TCH>		
	R388 R389 R390	1-216-049-00 1-216-101-00 1-216-033-00		1K 150K 220	5% 5% 5%	1/10W 1/10W 1/10W -C2161D,C2561D)	1		SWITCH, PUSH (AC		
		1-216-025-00	METAL GLAZE	100	5%	1/10₩	1		A BOARD, COMPLE	TE (KV-C2161	
	R392 R393 R394 R395	1-216-021-00 1-216-021-00 1-216-021-00 1-216-214-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	68 68 68 4.7K	5% 5% 5%	(KV-C2961D) 1/10W 1/10W 1/10W 1/8W		*A-1632-054-A	A BOARD, COMPLE	** TE (KV-C2561 ** TE (KV-C2961	D)
	R396 R398	1-216-041-00 1-216-081-00		470 22K	5% 5%	1/10W 1/10W	1	<con< td=""><td>NECTOR></td><td></td><td></td></con<>	NECTOR>		
	R401 R402 R403	1-216-053-00 1-216-051-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE	1.5K 1.2K 100	5%%%%% 5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/10W 1/10W 1/10W	A11 A12 A13	*1-565-393-11 *1-565-393-11 *1-565-503-11	CONNECTOR, BOAR CONNECTOR, BOAR CONNECTOR, BOAR PLUG, CONNECTOR	D TO BOARD D TO BOARD 1	
		I-216-059-00 1-216-065-00	METAL GLAZE	2.7K 4.7K	5% 5%	1/10W 1/10W 1/10W	A16	*1-560-290-00		(KV-0	(2161D, C2961D)
	R406 R407 R410	1-216-061-00 1-216-047-00 1-216-184-00	METAL GLAZE	3.3K 820 270	5% 5% 5%	1/10W 1/8W	A17 A19	*1-564-886-11 *1-564-881-11	PLUG, CONNECTOR PLUG, CONNECTOR	9P (KV-C216 4P (KV-C216	1D .C2961D) 1D .C2961D)
	R412 R1301	1-216-053-00 1-216-065-00	METAL GLAZE	1.5K 4.7K	5% 5%	1/10W 1/10W 1/10W		<caf< td=""><td>ACITOR></td><td></td><td></td></caf<>	ACITOR>		
	R1302 R1303	1-216-089-00		47K 47K	5% 5%	(KV-C2961D) 1/10W	C101 C102	1-126-233-11 1-126-103-11		OMF 20	16V
	R1304		METAL GLAZE	100K		(KV-C2961D) 1/10W (KV-C2961D)	C104 C106 C108	1-124-910-11 1-126-233-11 1-136-165-00		MF 20 MF 20 IMF 5%)∳ 50V
-	R1305 R1307	1-216-001-00 1-216-037-00	METAL GLAZE METAL GLAZE	10 330	5% 5%	1/10W 1/10W	C109	1-163-133-00 1-124-925-11		2MF 20) % 50V
	R1308		METAL GLAZE	0	5%	1/10W	C115	1-124-925-11 1-124-122-11	ELECT 10	ŽMF 20 IOMF 20 IMF 20	
			METAL GLAZE	4.7K		V-C2161D, C2561D) 1/10W	. !	1-124-910-11		'MF 2(1% 50V
	R1309		METAL GLAZE	330	5%	(KV-C2961D) 1/10W	C138 C171 C172	1-136-165-00 1-163-005-11 1-163-005-11	FILM 0. CERAMIC CHIP 47 CERAMIC CHIP 47	1MF 57	50V 50V
	00000		RIABLE RESISTO		ν	•	C177	1-102-074-00		O1MF	50V
	RV331	1-238-012-11	RES, ADJ, CA	anbun i	7		1 0101	1 101 004 00	J		

$KV\text{-}C2161D/C2561D/C2961D \atop \text{RM}\text{-}816}$

The components identified by shading and mark (A) are critical for safety. Replace only with part number specified.



REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
								<[F	BLOCK>			
	<1C>						VIFIOI	1-466-154-11	IF BLOCK (IF	G-389S)		
10103	8-759-979-62	1C PCF8574					*****	*********	********	********	******	*******
	<011	.>					!	1-466-154-11	IFB BOARD (II	F BLOCK IFG-	389S)	
L100 L101 L102	1-410-683-31 1-408-225-00 1-408-413-00	INDUCTOR INDUCTOR	560U 3.3U 22UH	ч				<cap.< td=""><td>ACITOR></td><td></td><td>i de</td><td></td></cap.<>	ACITOR>		i de	
L107	1-408-397-00	VSISTOR>	101				C9 C10 C11	1-124-925-11	ELECT CERAMIC CHIP	2.2MF 0.01MF	20% 10%	50V 50V 50V
Q113		L5L6			C12 C13	1-163-029-11 1-163-029-11	CERAMIC CHIP CERAMIC CHIP	0.0047MF 0.0047MF		50V 50V		
Q114 Q115 Q116 Q125	8-729-120-28 8-729-120-28 8-729-120-28 8-729-900-89	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR D1	SC1623- SC1623-	L5L6			C14 C17 C18 C19 C20	1-124-034-51 1-163-117-00 1-163-107-00 1-126-176-11	CERAMIC CHIP CERAMIC CHIP ELECT	39PF 220MF	20% 5% 5% 20%	16V 50V 50V 10V
Q126 Q181	8-729-901-06 8-729-120-28	TRANSISTOR DI	TA144EK SC1623-	L5L6			i	1-123-382-00	ELECT	3.3MF	20%	50V
	<res< td=""><td>ISTOR></td><td></td><td></td><td></td><td></td><td>C21 C22 C23 C24</td><td>1-163-031-11 1-163-029-11 1-130-475-00 1-163-113-00</td><td>MYLAR CERANIC CHIP</td><td>0.0047MF 0.0022MF 68PF</td><td>5% 5% 5%</td><td>50V 50V 50V 50V 50V</td></res<>	ISTOR>					C21 C22 C23 C24	1-163-031-11 1-163-029-11 1-130-475-00 1-163-113-00	MYLAR CERANIC CHIP	0.0047MF 0.0022MF 68PF	5% 5% 5%	50V 50V 50V 50V 50V
JR230 JR252 JR253 JR255 JR256	1-216-295-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0 0	5% 5% 5% 5%	I/10W 1/8W 1/8W 1/8W 1/8W		C25 C28 C29 C30	I-163-113-00 I-163-029-11 I-163-029-11 I-124-034-51	ELECT	0.0047MF 0.0047MF 33MF	20%	50V 50V 16V
JR257	1-216-296-00	METAL GLAZE	0	5%	1/8W		C31 C32	1-163-085-00 1-163-113-00	CERAMIC CHIP CERAMIC CHIP	68PF	0.25PF 5%	50V 50V
JR258 R101 R105 R107	1-216-296-00 1-216-025-00 1-216-079-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 100 18K 22K	5% 5% 5%	1/8W 1/10W 1/10W 1/10W		C33 C34 C35	I-124-902-00 I-163-029-11 I-124-034-51	CERAMIC CHIP	0.47MF 0.0047MF 33MF	20% 20%	50V 50V 16V
R108 R110	1-216-079-00 1-249-429-11	METAL GLAZE CARBON	18K 10K	5% 5%	1/10W 1/4W			\1 1 3>	TER>			
R111 R116 R118	1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 82 33K	5% 5% 5%	1/10W 1/10W 1/10W		1	1-404-801-11	TRAP, CERAMI		•	÷
R128 R129	1-216-027-00 1-216-057-00	METAL GLAZE METAL GLAZE	120 2.2K	5% 5%	1/10₩ 1/10₩		1	<con< td=""><td>NECTOR></td><td></td><td></td><td></td></con<>	NECTOR>			
R130 R157 R158	1-216-057-00	METAL GLAZE METAL GLAZE	2.2K 1K 220	5% 5%	1/10W 1/10W 1/4W		CN1	<con *1-506-913-11</con 	PIN, CONNECT	OR 10P		·
R159 R161	1-249-409-11	CARBON	220	5%	1/4W 1/10W		IC1	<1C> 8-759-996-04				
R162 R163 R164	1-216-089-00 1-216-095-00 1-216-095-00 1-216-075-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	47K 82K 82K 12K	5% 5% 5% 5%	1/10W 1/10W 1/10W		i c2	8-759-516-81	IC TDA2545A-	-V4		
R165	1-216-075-00	METAL GLAZE	12K	5% 5%	1/10W			<c01< td=""><td></td><td></td><td></td><td></td></c01<>				
R167 R168 R169 R181	I-2 16-059-00 I-2 16-089-00 I-2 16-059-00 I-2 16-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.7K 47K 2.7K 1K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		L2 L3 L4 L6 L7	1-408-410-00 1-408-406-00 1-408-407-00 1-408-397-00 1-408-406-00	INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR	12UH 5.6UH 6.8UH 1UH 5.6UH		·
R182 R193 R194 R195	1-216-065-00 1-216-073-00 1-216-017-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 10K 47	5% 5% 5% 5%	1/10W 1/10W 1/10W		L8	1-408-406-00		5.60#		
8196	1-216-017-00 1-216-113-00	METAL GLAZE METAL GLAZE	47 470K	5% 5%	1/10W 1/10W				ANSISTOR>	•		
STUTOTA	<tui< td=""><td></td><td>IV-914/</td><td>p 1</td><td>anang again</td><td></td><td>Q1 Q2 Q7</td><td>8-729-920-74 8-729-920-74 8-729-216-22</td><td></td><td>2SC2412K-QR</td><td></td><td></td></tui<>		IV-914/	p 1	anang again		Q1 Q2 Q7	8-729-920-74 8-729-920-74 8-729-216-22		2SC2412K-QR		
	OIA 1-465-301-11 TUNBR, ET (UV-816(PLL))											

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FB	C											***	and the other star of
REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION			-	REMARK
JC1 R9	1-216-296-00 1-216-061-00	STOR> METAL GLAZE METAL GLAZE	0 3.3K	5% 5%	1/8W 1/10W 1/10W		C717 C718 C719	1-102-114-00 1-102-114-00 1-102-114-00	CERAMIC CERAMIC CERAMIC	470PF 470PF 470PF	10 10 10	Ž	50V 50V 50V
R10 R11 R12	1-216-029-00 1-216-049-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	150 1K 1K	5% 5% 5%	1/10W 1/10W		i 	<010					
R13 R15 R16 R17 R18	1-216-041-00 1-216-067-00 1-216-045-00 1-216-077-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470 5.6K 680 15K 560	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		D701 D702 D703 D704 D705	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE RD9.1ES DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119	S-B3			
R19 R20 R21 R22 R23	1-216-049-00 1-216-045-00 1-216-295-00 1-216-093-00 1-216-031-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 680 0 68K 180	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		D706 D707 D708 D709 D710	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119			, top o pr	** . *
R24	1-216-081-00 1-216-081-00	METAL GLAZE	22K 22K	5% 5%	1/10W -1/10W 1/8W		D711 D713	8-719-300-33 8-719-911-19	DIODE RU-3AM DIODE ISS119				
R31	1-216-208-00	METAL GLAZE	2.7K	5%	170₩			<ja< td=""><td>CK></td><td></td><td></td><td></td><td></td></ja<>	CK>				
-		RIABLE RESISTO		nny .			J701	1-526-990-11	SOCKET, PICT	URE TUBE			
RVI		RES, ADJ, CA	. NOON 1	OOK				<00>					
5 1		ANSFORMER>					L704	1-408-415-00	INDUCTOR	33UH			
T1 T2 T5	1-404-493-31 1-404-493-31 1-404-493-31	COIL							ANSISTOR>				
****	*A-1638-014-A	C BOARD, COI	KPLETE ****** MPLETE	(KA-C	21610)	******	* Q702 Q703 Q704 Q705 Q706	8-729-119-78 8-729-906-70 8-729-200-17 8-729-119-78 8-729-906-70	TRANSISTOR 1 TRANSISTOR 1 TRANSISTOR 1	BF871 25A1091-0 25C2785-H BF871	FE		
		**************************************	MPLETE	(KA-0	(2961D)		Q707 Q708 Q709	8-729-200-17 8-729-119-78 8-729-906-70	TRANSISTUR TRANSISTOR	2SC2785-H BF871	FE		
	*4-379-160-01 *4-379-167-01	COVER (REAR COVER (MAIN	LID),), CV	CV			Q710	8-729-200-17		2541091-0	į		
	<ci< td=""><td>ONNECTOR></td><td></td><td></td><td></td><td></td><td>R704</td><td></td><td>ESISTOR> O METAL OXIDE</td><td>8.2K</td><td>5%</td><td>3W</td><td>F</td></ci<>	ONNECTOR>					R704		ESISTOR> O METAL OXIDE	8.2K	5%	3W	F
C71 C72 C81 C82		O PIN, CONNEC 1 PIN, CONNEC 1 PIN, CONNEC			TCH) 3P		R704 R705 R706	1-202-824-0 1-249-409-1	O SOLID 1 CARBON	3.3K 220 430	10% 5% 5%		V (KV-C2161D)
COL		APACITOR>						1-249-412-1		390	5% (KV 5%	1/41 -025 1/4	61D,C2961D)
C703 C704	1-102-980-0 1-102-116-0	O CERAMIC	270F 680F	PF .	5% 10%	50V 50V	R708 R709 R710	1-202-844-0	O SOLID	47 330K 100K	10X 1X	1/2	ii W
C705	1-102-976-0	O CERAMIC	180F 220F		5% 5%	50V (KV-C2161 50V	D)	1-215-465-0	O METAL	68K	1%	1/4	(KV-C2161D) W 61D,C2961D)
	1-102-978-0					51D, C2961 50V	D) R71 R71		1 CARBON 1 CARBON	5.6K 1K	5% 5%	1/4	U
C706 C707 C708	1-162-116-0	O CERANIC	680 680 0.0		10%	2KV 2KV	R71			160K	1%	1/4	W (KY-C2161D)
C709	1-102-116-	OO CERAKIC	680	PF	10%	50V 250V		1-215-471-6		120K	1% (K)	1-12	(W 661D,C2961D)
C710 C711 C712 C714 C716	1-101-880- 1-102-980- 1-124-360-	OO CERAMIC OO CERAMIC OO ELECT	10M 47P 270 100 330	F IPF IOMF	20% 5% 5% 20% 10%	50V 50V 50V 16V 400V	R71 R71 R71	5 1-202-824-	OO SOLID	3.3K 220	5% 10% 5%	1 /	

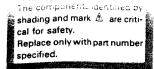
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	40	num um	DESCRIPTION				REMARK!	REF.NO.	PART NO.	DESCRIPTION			REMARK
	REF.NO.	PART NO.	DESCRIPTION								+00DC	E %	 50 V
	R717 R718 R719	1-249-415-11 1-202-814-11 1-249-401-11 1-249-423-11	SGLID CARBON	680 33K 47 3.3K	20% 1. 5% 1.	/4W /2W /4W /4W) !		1-163-117-00 1-163-117-00 1-124-910-11 1-163-038-00	CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP	47MF	5% 5% 20%	50V 50V 25V
	R720 R721	1-202-842-11	SOLID	220K 2	20% 1	/2W		C031	1-163-081-00 1-163-081-00	CERAMIC CHIP	0.22MF		25V 25V
	R722 R723 R724 R725		CARBON SOLID SOLID	470K 2	5% 1 20% 1 20% 1	/2W /4W /2W /2W /2W		C032 C033 C034 C251	1-163-181-00	CERAMIC CHIP ELECT ELECT	100PF 10MF 1MF	5% 20% 20%	50V 50V 50V
	R726 R727	1-202-824-00	CARBON	220	5 % 1	/AW		C252 C253	1-126-233-11 1-163-009-11	CERAMIC CHIP	22MF 0.001MF 0.1MF	20% 10% 10%	50V 50V 100V
	R728 R729 R730 R731	1-216-347-11 1-249-416-11 1-249-401-11 1-249-423-11	CARBON	0.68 820 47 3.3K	57 1	₩ /4₩ /4₩ /4₩	F	C254 C255 C261	1-137-098-11 1-124-636-00 1-124-903-11	ELECT	3300MF 1MF	20% 20%	25V 50V
	R732	1-249-415-11	CARBON			/4W /4W		C262 C263 C264	1-126-233-11 1-163-009-11 1-137-098-11	CERAMIC CHIP	0.IMF	20% 10% 10%	50V 50V 100V
	R733 R734 R735	1-249-415-11 1-249-405-11 1-215-493-00	CARBUN METAL	100 1 M	5% 1	/4W /4W	c	C265 C270	1-124-564-11 1-137-035-11	ELECT	4700MF 0.47MF	20% 10%	25V 100V
	R736 R737	1-216-486-00	METAL OXIDE		1% 1	/46		C274 C501	I-137-035-11 I-124-927-11 I-124-927-11	ELECT	0.47MF 4.7MF 4.7MF	10% 20% 20%	100V 50V 50V
		1-215-491-00			1% 1	/4W	/-C2161D) /-C2561D)	: C503	1-137-049-11 1-163-121-00	FILM	0.015MF	10% 5%	400V 50V
		1-215-485-00	METAL	470K	1%	1/4W	/-C2961D)	C505	1-108-794-11 1-137-102-11	FILM	0.0015MF 0.022MF	5% 10%	50V 250V
	R739	1-249-417-11	CARBON				(2)(10)	C507 C508 C509	[-137-033-1] 1-137-102-11 1-137-098-11	FILM	0.33MF 0.022MF 0.1MF	101 101 101 -	100V 250V 100V
		< Y A F	TABLE RESISTO	₹>				C510	1-161-959-00	CERAMIC	22PF	107	500V
	RV701 RV702 RV703 RV704		RES, ADJ, CA	RBON 220	00			C511 C512 C513 C514	1-108-686-11	MAIVE	0.0033MF 0.1MF 220PF 0.22MF	101 101 51 101	100V 100V 50V 100V
		**** *******				****	******	C515 C516	1-124-903-11 1-108-680-11	ELECT Mylar	1MF 0.001MF	201 101	50V 100V
ć		*A-1 642-035-A *A-1 642-062-A	D BOARD, COM	PLETE (KV-C256	1D)		C517 C518 C519	1-124-252-00 1-124-902-00 1-136-173-00	ELECT ELECT	0.33MF 0.47MF 0.47MF	201 201 5%	
		*A-1642-032-A		PLETE (1-136-171-00	FILM	0.33MF	(KV-C216	1D, C2561D) 50V XV-C2961D)
		*4-341-751-01 *4-341-752-01	EYELET	****				C520 C521	1-164-161-11 1-137-098-11	CERAMIC CHIP	0.0022MF 0.1MF	101	50V 100V
		*4-368-683-01	SPRING					C522 C523	1-124-122-11 1-108-680-11	ELECT Mylar	100MF 0.001MF		50V 100V
			PACITOR>			· w	FOU	C524 C525 C526	1-108-798-11 1-163-117-00 1-163-103-00	MYLAR CERAMIC CHIP	0.0033MF	5% 5%	50V 50V 50V
	C002 C003 C004	1-163-205-00 1-124-925-11 1-124-120-11	CERAMIC CHIP ELECT ELECT	0.001M 2.2MF 220MF	2	18 20% 20%	50V 50V 16V	0320				- 5Y	1D,C2561D) 50V
	C005 C008	1-124-903-11 1-163-117-00	ELECT	IMF 100PF	5	20% 3%	50Y 50Y	C527	1-163-101-00 1-137-098-11		0.1MF	101	KY-C2961D) 100V 25V
	C009 C010	1-163-117-00 1-124-120-11	FLECT	220KF	2	5% 20%	50V 16V	C531	1-124-190-00	ELECT	680MF 100MF	20	
	C011 C013 C014	1-163-031-11 1-137-098-11 1-137-098-11	CERAMIC CHIS	0.01MF 0.1MF 0.1MF	1	10% 10%	50V 100V 100V	C532 C533 C534 C536	1-124-122-11 1-137-096-11 1-124-120-11 1-131-363-00	FILM ELECT	0.068MF 220MF 4.7MF	20 10 20 7 10	16V 16V (KV-C2161D)
	C015 C016 C017	1-124-902-00 1-163-141-00 1-137-098-11	CERAMIC CHI	0.47MP 0.001MP 0.1MP	(F !	20% 5% 10%	50V 50V 100V	1	1-131-365-00	TANTALUM	10 N F	10 (KV-C56	16V 1D, C2961D)
1 1 2	C018	1-163-127-00 1-137-094-11	CERAMIC CHI	270PF 0.047	i	5% 10%	50V 100V	C537 C538	1-124-903-11 1-108-680-11		1MF 0.001MF	20 10 10	50V 100V
	C021	1- 163-117-00	CERANIC CHI	P 100PF	. !	5%	50V ·	C539	1-163-129-00	CERAMIC CHIL	> 330PF	-	
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The components identified by shading and mark \triangle are critical for safety.
Replace only with part number specified.

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	REF.NO.	PART NO.	DESCRIPTION			REMARK				
	C540	1-163-009-11 1-124-122-11 1-163-129-00	CERANIC CHIP	0.001MF	10% 20%	50Y 50Y			FILM TO A RED. 039MF. BREE	
								1-161-731-51 1-137-046-11		104 1000
	16117	1 - h - uh4 - h	LARABIL	U. UU4177	and the same of the	2.7V	C821 &	. 1=162=116=51 → . 1=162=13 <i>4</i> =51 →	CERANIC 680PF (K	V-C2161D, C2561D)
	C604 A	1-161-964-61 1-125-318-11	CERANIC ELECT (BLOCK)	0.0047NF 220NF	20% 20%	400V 35V	Δ.	\$ 1~102~194 J1 ·	CERANIC 470PF WEET	(KV-C2961D)
		1-124-484-11 1-163-137-00 1-137-028-11				50V 63V	C822	1-163-005-11	CERANIC CHIP 470PF	10% 50V 10% 400V
	C608					50V	C824 C825	1-102-212-00 1-137-102-11	CERANIC 820PF FILM 0.022MF	10% 500V 10% 250V
	C611 C612	1-124-910-11	ELECT MYLAR	4.7MF 47MF 0.001MF	20% 10%	50V 100V 2KV	C1601A	1-136-518-11	FILM 0.33MF FILM 0.47MF	20% 300V 20% 300V
	C613 C614	1-136-539-11 1-102-030-00	CERAMIC	0.0022MF 330PF	3% 10%	500V	C1(034	1.1.164.746.61	CERAMI C 0.0022MF CERAMI C 0.0022MF CERAMI C 0.0047ME	/ L + 4 V
	C615 C616	1-102-030-00	ELECT CERAMIC	330PF	20% 10%	25V 500V	C16074	1-161-964-61	CERANIC CONTROL OF OR ON 47 ME	ar-mag a 250Y aa
	C617	1-124-120-11			(K	25V (V-C2161D)		<fil'< td=""><td>TER></td><td></td></fil'<>	TER>	
		1-124-122-11	ELECT		20% (KV-C2561	50V	CF001 CF501	1-577-364-11 1-567-888-11	VIBRATOR, CERAMIC OSCILLATOR, CERAMIC	
	C618 C619	1-162-115-00 1-128-320-11	CERAMIC ELECT	330PF	10%	2KV 16V				
	0017	1-124-556-11	ELECT	2200KF	(KV-C2161 20%	10,C2961D) 16V	1	<con< td=""><td>PIN, CONNECTOR 6P</td><td></td></con<>	PIN, CONNECTOR 6P	
					10%	(V-C2561D)	D2	*1-568-882-51 *1-565-394-11	PIN, CONNECTUR 7P PIN, ROARD TO BOARD CON	NECTOR
	C620	1-137-028-11	RILM RILM	1MF	5% ()	KV-C2161D) 50V	D12 D18	*1-565-394-11	PIN, BOARD TO BOARD CONP PLUG, CONNECTOR (2.5MM)	NECTUR
		1-136-173-00	ribn	0.41111	(KV-C256)	1D, C2961D)		. = . =	CIN DOLDE TO DOLDE CON	KV-C2161D, C2961D)
	C621 C622	1-124-347-00 1-128-320-11	ELECT	100MF 2200MF	20% 20%	160V 16V	D21 D22	*1-565-394-11	PIN, BOARD TO BOARD CON PIN, BOARD TO BOARD CON PIN, BOARD TO BOARD CON	NECTUR
	C623 C624	1-124-910-11 1-124-122-11	ELECT ELECT	47MF 100MF	20% 20% 20%	50V 50V 16V	D31 D32	*1-565-394-11	PIN, BOARD TO BUARD CON	NECTUR
	C625	1-124-360-00		1000MF 10MF	20%	507	D33	*1-566-367-11	PIN, BOARD TO BOARD CON CONNECTOR, HINGE (RECEP	NECTOR TACLE)
	C626 C627 C631	1-163-009-11	CERAMIC CHIP	0.001MF 4.7MF	10% 20%	50 Y 50 Y	D44 D45	±1-568-881-51	PIN, CONNECTOR 6P PIN, CONNECTOR 6P CONNECTOR, HINGE (RECEP	TAC E)
	C632 C633	1-163-009-11	CERANIC CHIP CERANIC CHIP	0.001MF 100PF	10% 5%	50V 50V	D51 D62	+1-565-395-11	PIN CONNECTOR 3P	
	C801	1-126-105-11	ELECT	1000MF 330PF	20% 10%	35Y 500Y	D65	*1-508-765-00 *1-508-786-00	PIN, CONNECTOR (5MM PIT	CH I ZP
	C802 C804 C805	1-102-030-00 1-123-948-00 1-162-114-00	ELECT	22MF 0.0047MF	20%	250V 2KV	D82 D83	*1-508-765-00	PIN. CONNECTOR (5MM PIT PIN. CONNECTOR (5MM PIT	UH J 3P
	£ 80 6	1-137-098-11	FILM	0.1MF	10%	100V	D84	*1-580-798-11	CONNECTOR PIN (DY) 6P PIN, CONNECTOR 3P (KV-C	'29ብ ስ\
	C807 C810	1-106-395-00 1-123-024-21	ELECT	0.15MF 33MF	10% 5%	200V 160V 200V	D88 D801	*1-568-878-51 *1-508-765-00		CH) 3P
	C811	i-136-111-00		IKF 2KF	5% ((KV-C2161D) 200V		<010	DDE>	
		1-136-113-00	ribn	-	(KV-C256	51D, C2961D)	D001	8-719-109-97		
	C812 C813	1-124-634-11 1-102-212-00	CERAMIC	IMF 820PF	20% 10%	250V 500V	D002 D003 D005	8-719-109-97 8-719-911-19 8-719-109-89	DIODE RD6.8ES-B2 DIODE ISS119 DIODE RD5.6ES-B2	
	CR14	A. i−161-731-51 : 1-136-111-00	CERANIC	0.001MF	5%	2KV (20) 200V	D006	8-719-982-24	DIODE MTZJ-33A	
		1-136-540-11	FILM	0.82MF	5%	51D, C2561D) 200V	D009	8-719-982-08 8-719-109-89	DIODE MTZJ-3.9B DIODE RD5.6ES-B2	
	C817	∆1-136-549-11		0.0106MF	3%	(KV-C2961D) 1.4KV	DO11	8-719-921-54 8-719-921-54 8-719-911-19	DIODE MTZJ-6.2B	
				0.015MF	3%	(KV-C2161D) 1.4KV	D012	8-719-911-19	DIODE RD6.8ES-B2	
		Д. 1-136-565-11 Д. 1-136-591-11		0.017MF	32	(KV-C2561D 1.4KV	D271	8-719-110-31 8-719-921-88	DIODE RD12ES-B2 (KV-C2) DIODE MTZJ-13B (KV-C2)	1611, C2 5610) 510:
		₩ 1_120_121	CIDD,	0.011111		(KV-C2961D) D272	8-719-911-19	DIODE ISSI19	





REF. N	O. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION RE	MARK
D501 D504 D506 D508	8-719-911-55 8-719-800-76 8-719-911-19	DIODE 1SS119 DIODE U05G DIODE 1SS226 (KV-C2161D, C2561D) DIODE 1SS119		L602 L603 L604	1-410-396-41 1-410-396-41 1-410-671-31	FERRITE BEAD INDUCTOR FERRITE BEAD INDUCTOR INDUCTOR 47UH	
D509 D511 D512 D513 D514	0 710 011 ==	DIODE 188119 (KV-C2561D, C2961D) DIODE U05G DIODE U05G DIODE UZ-4.7BSC DIODE 188119 (KV-C2961D)		L606	1-412-529-11 1-410-671-31 1-459-087-00	COIL (WITH CORE) (DRUM TYPE) INDUCTOR 22UH INDUCTOR 47UH COIL, HCC DUST CORE 3.9MMH (KV-C296I COIL, WITH CORE	D)
D515	8-719-911-19 A 8-719-510-63 8-719-300-33 8-719-911-55 8-719-911-65	DIODE ISSII9 (KY-C296ID) DIODE D4SB6OL-F DIODE RU-3AM DIODE U05G		L804 L805 L806	1-408-239-00 1-459-652-12 1-459-755-11 1-459-907-11 1-459-115-00	HLC (KY-C2161D)	1D) 1D)
D605 D606 D607 D608	8-719-911-55 8-719-300-33 8-719-300-33 8-719-300-33	DIODE U05G DIODE U05G DIODE U2-4.7BSC DIODE ISSI19 (KV-C2961D) DIODE ISSI19 (KV-C2961D) DIODE D4SB6OL-F DIODE RU-3AM DIODE U05G DIODE U05G DIODE U05G DIODE U05G DIODE RU-3AM DIODE RU-3AM DIODE RU-3AM DIODE RU-3AM DIODE RU-3AM		L809 L810	1-459-087-00 1-420-872-00 1-459-390-00	COIL, DRAM CORE (CDI) (KV-C2561D) COIL, HCC DUST CORE 3.9MMH (KV-C2961D) COIL, AIR CORE COIL (WITH CORE) (KV-C2161D) PMC (KV-C2561D)	D)
D609 D610	8-719-300-59	DIODE CTU-12S			1-421-794-21	TRANSFORMER, FERRITE (PMT) (KV-C296)	1D)
D611 D612 D613	8-719-900-26 8-719-300-59 8-719-979-85	DIODE ERD29-08J DIODE CTU-12S DIODE REP20G			<tra< td=""><td>NSFORMER></td><td></td></tra<>	NSFORMER>	
D614 D616	8-719-979-85 8-719-921-54	DIODE EGP20G DIODE MTZJ-6.2B		LF16014	1-421-866-12 1-421-776-21	LFT LFT	
D617 D618 D619	8-719-911-19 8-719-109-89 8-719-982-24	DIODE 1SS119 DIODE RD5.6ES-B2 DIODE MTZJ-33A		7601 A	1-450-038-11 1-450-037-11	NSFORMER> LFT LFT LFT LFT S.R.T (KV-C2161D, C2561D) S.R.T (KV-C2961D)	.45
D620 D621	8-719-800-76 8-719-982-24	DIODE 1SS226 DIODE MTZJ-33A		T602 A	1-424-277-11 1-437-090-21	TRANSFORMER, TRIGGER PULSE	
D622 D623 D624 D630 D801	8-719-911-19 8-719-911-19 8-719-911-19 8-719-921-91 8-719-300-33	DIODE MTZJ-33A DIODE 1SS226 DIODE MTZJ-33A DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE MTZJ-15A DIODE MTZJ-15A	i			TRANSFORMER ASSY, FLYBACK (NX-1604) (KV-C25	061D)
D802 D803 D804	8-719-300-33 8-719-976-64 8-719-911-55	DIODE RGP02-17	! !	PS601A	<ic l<="" td=""><td>LINK IC 24</td><td></td></ic>	LINK IC 24	
D805 D806	8-719-911-55	DIODE U05G DIODE ERC06-15S	; ;	PS603A. PS604A.	1-532-984-91 1-532-679-91 1-532-984-91	LINK, IC 2A LINK, IC 0.6A LINK, IC 2A	
D807 D808	8-719-928-08	DIODE ERCO6-15S (KV-C2561D, C2961D DIODE ERD28-08S (KV-C2161D) DIODE ERD29-08J (KV-C2561D, C2961D	!	,	<tran< td=""><td>SISTOR></td><td></td></tran<>	SISTOR>	
				0002 0003	8-729-901-01 8-729-216-22	TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR 2SA1162-G	
1 COO1 1 COO2	8-759-047-60 8-759-000-47	IC SDA20560-A012 IC MC14051BCP		Q004 Q005	8-729-216-22 8-729-901-01	TRANSISTOR 2SA1162-G TRANSISTOR DTC144EK	-
1 CO 05 1 C 2 5 1	8-759-945-58 8-759-748-56 8-759-988-94	IC SDA2546 IC TDA2050		Q007 8	8-729-120-28 8-729-120-28	TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6	
	4-912 12 4 99		1	4010 8	3-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 SDANSISTOR 2SC1623-L5L6	
74:	8-759-944-57	IC TEA2028B IC TDA8170	 	Q261 8 Q271 8	3-729-120-28 3-729-120-28	FRANSISTOR 2SC1623-L5L6 FRANSISTOR 2SC1623-L5L6 FRANSISTOR 2SC1623-L5L6 FRANSISTOR 2SA1162-G	
10608	8-759-988-95 8-759-510-52 8-759-929-62	IT TEATENS		Q505 8	3-729-140-96	TRANSISTOR 250774-34 FRANSISTOR 250774-34	
Months.	<coil< td=""><td></td><td>1</td><td>Q507 8 Q598 8</td><td>3-729-216-22</td><td>TRANSISTOR 2581162-G TRANSISTOR 2581162-G TRANSISTOR 2581220A-P</td><td></td></coil<>		1	Q507 8 Q598 8	3-729-216-22	TRANSISTOR 2581162-G TRANSISTOR 2581162-G TRANSISTOR 2581220A-P	
L501	1-408-225-00 1-420-872-00	INDUCTOR 3 200	1	Q602 8	-729-209-02	PRANSISTOR 25A1220A-P PRANSISTOR 25A1220A-P	
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REF.NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
Q604 Q605 Q606	8-729-216-22 8-729-120-28 8-729-120-28	TRANSISTOR 2SC TRANSISTOR 2SC	1162-G 1623-L5L6 1623-L5L6			R051 R052 R053	1-216-041-00 1-216-049-00 1-216-049-00	METAL GLAZE	470 1 K 1 K	5% 5% 5%	1/10W 1/10W 1/10W
0607 0608 0609	8-729-920-92 8-729-120-28 8-729-320-62	TRANSISTOR 2SC	1623-L5L6			R054		METAL GLAZE METAL GLAZE METAL GLAZE	1K 330 10K	5% 5% 5%	1/10W 1/10W 1/10W
Q801 Q804 Q805	8-729-120-28 8-729-304-50 8-729-119-80	TRANSISTOR 2SD TRANSISTOR 2SC TRANSISTOR 2SD TRANSISTOR 2SC	1623-L5L6 1941-06 2688-LK			R057 R058	1-216-025-00 1-216-049-00 1-216-049-00		100 1K 1K	5%	1/10W 1/10W
	<res< td=""><td>ISTUK></td><td></td><td></td><td></td><td>R062</td><td>1-216-049-00 1-216-065-00 1-216-049-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>1K 4.7K 1K</td><td>5% 5% 5%</td><td>1/10W 1/10W 1/10W</td></res<>	ISTUK>				R062	1-216-049-00 1-216-065-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 4.7K 1K	5% 5% 5%	1/10W 1/10W 1/10W
JR1 JR3 JR4 JR7 R001	1-216-296-00 1-216-296-00 1-216-295-00 1-216-296-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 470 5%	1/8W 1/8W 1/10W 1/8W 1/10W		R063 R064 R065 R066	1-216-049-00 1-216-049-00 1-216-049-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1 K 1 K 1 K 1 K 1 O K	5% 5%%% 55%%	1/10W 1/10W 1/10W 1/10W 1/10W
R002 R003	1-216-041-00 1-216-198-00	METAL GLAZE	470 5% 1K 5% 1K 5%	1/10W 1/8W		R067 R068 R069	1-216-073-00 1-216-174-00 1-216-174-00	METAL GLAZE	100	5%	1/8W
R004 R005 R006	1-216-049-00 1-216-081-00 1-216-073-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22K 5% 10K 5%	1/10W 1/10W 1/10W		R070 R071 R072 R073	1-216-174 00 1-216-198-00 1-216-198-00 1-216-222-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1 K 1 K 1 O K 1 O K	5% 5% 5% 5%	1/8W 1/8W 1/8W 1/10W
R008 R009 R010 R012	1-216-073-00 1-216-073-00 1-216-041-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 10K 5% 10K 5% 470 5% 10K 5%	1/10W 1/10W 1/10W 1/10W	N. S. C.	R075 R076 R077	1-216-041-00 1-216-073-00 1-216-049-00	METAL GLAZE	470 10K 1K	5% 5% 5% (KV	1/10W 1/10W 1/10W -C2161D,C2961D)
R013 R014	1-216-073-00 1-216-085-00	METAL GLAZE	10K 5% 33K 5% 3.3K 5%	1/10W 1/10W		R078	1-216-198-00		1 K 1 O K	5%	1/8W 1/10W
R015 R016 R017	1-216-061-00 1-216-085-00 1-216-689-11	METAL GLAZE METAL GLAZE	33K 5% 39K 5%	1/10W 1/10W 1/10W		R079 R080 R081 R083 R084	1-216-073-00 1-216-073-00 1-216-073-00 1-216-049-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 10K 1K 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R018 R019 R020 R021 R022	1-216-095-00 1-216-025-00 1-216-025-00 1-216-065-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	82K 5% 100 5% 100 5% 4.7K 5% 4.7K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R085 R086 R087 R088	1-216-049-00 1-216-049-00 1-216-035-00 1-216-059-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 1K 270 2.7K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W
R024 R025 R026 R027 R028	1-216-073-00 1-216-073-00 1-216-182-00 1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 10K 5% 220 5% 100 5% 100 5%	1/10W 1/10W 1/8W 1/10W 1/10W		R093 R094 R095 R096	1-216-073-00 1-216-073-00 1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 10K 10K 10K 1K	5% 5%% 55%% 55%%	1/10W 1/10W 1/10W 1/10W 1/10W
R029 R030	1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE	10K 5%	1/10W		R251	1-216-065-00	METAL GLAZE	4.7K	5%	î/î0W 1/10W
R031 R032 R033	1-216-081-00 1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 10K 5%	1/10W 1/10W 1/10W		R252 R253 R254 R255 R256	1-216-039-00 1-216-073-00 1-216-357-00 1-216-073-00 1-216-115-00	METAL GLAZE METAL OXIDE METAL GLAZE	390 10K 4.7 10K 560K	55555555555555555555555555555555555555	1/10W 1W F 1/10W 1/10W
R034 R035 R036 R037 R038	1-216-077-00 1-216-081-00 1-216-083-00 1-216-069-00 1-216-069-00	METAL GLAZE METAL GLAZE METAL GLAZE	15K 5% 22K 5% 27K 5% 6.8K 5% 6.8K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	· ·	R257 R258 R259 R261	1-216-077-00 1-215-869-11 1-216-065-00 1-216-065-00	METAL GLAZE METAL OXIDE METAL GLAZE METAL GLAZE	15K 1K 4.7K 4.7K	5% 5% 5%	1/1 OW 1W F 1/1 OW 1/1 OW
R039 R040 R041 R042 R043	1-216-081-00 1-216-077-00 1-216-073-00 1-216-049-00 1-216-041-00) METAL GLAZE) METAL GLAZE) METAL GLAZE	22K 5% 15K 5% 10K 5% 1K 5% 470 5%	1/10W 1/10W 1/10W 1/10W 1/10W)) }	R262 R263 R264 R265 R266	1-216-039-00 1-216-073-00 1-216-357-00 1-216-073-00 1-216-115-00	METAL GLAZE METAL OXIDE METAL GLAZE	390 10K 4.7 10K 560K	5% 5% 5% 5%	1/1 OW 1/1 OW 1W F 1/1 OW 1/1 OW
R044 R045	1-216-097-00 1-216-061-00) METAL GLAZE	100K 5% 3.3K 5%	1/10	J	R267	1-216-077-00	METAL GLAZE	15K	5%	1/1 OW F
R046 R047 R048	1-216-095-00 1-216-073-00) METAL GLAZE) METAL GLAZE	82K 5% 10K 5% 10K 5%	1/100 1/100 1/100	J	R268 R269 R270 R271	1-215-869-11 1-216-065-00 1-216-073-00 1-216-045-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 4.7K 10K 680	5% 5% 5% 5%	1/1 OW 1/1 OW 1/1 OW
R049 R050	1-216-073-00 1-216-067-00		10K 5% 5.6K 5%	1/100 1/100		R272	1-216-073-00	METAL GLÁZE	10K	5%	1/1 OW

KV-C2161D/C2561D/C2961D RM-816

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	REF. NO	. PART NO.	DESCRIPTION	_		E. R.	EMARK	REF.NO	. PART NO.	DESCRIPTIO	N .		REMARK
	R274 R500 R501	1-216-073-00 1-216-073-00 1-216-115-00 1-216-041-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 10K 560K 470 220	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R549 R550 R551 R552	1-216-454-1 1-216-095-0 1-216-129-0 1-216-433-0	O METAL GLAZE O METAL GLAZE	82K 2.2M	5% 5%	2W F (V-C2561D,C2961D) 1/10W 1/10W 1W F
	R503 R504 R505 R506 R509	1-216-035-00 1-249-420-11 1-216-077-00 1-216-071-00 1-216-063-00	CARBON METAL GLAZE METAL GLAZE	270 1.8K 15K 8.2K 3.9K	5% 5% 5% 5%	1/10W 1/4W 1/10W 1/10W 1/10W		R553 R554 R555 R556	I-215-869-1 I-216-037-00 I-216-129-00 I-216-025-00	I METAL OXIDE D METAL GLAZE D METAL GLAZE	1K 330 2.2H 100	5% 5%	(KV-C216ID) 1W 1/10W 1/10W 1/10W
	R510 R514 R515 R517 R518	1-216-067-00 1-216-033-00 1-216-061-00 1-216-073-00 1-216-089-00	METAL GLAZE	5.6K 220 3.3K 10K 47K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	1 1 2 2 2 2 2 2 2 2 2	R557 R558 R559 R560 R561	1-216-065-00 1-216-113-00 1-216-069-00 1-216-037-00 1-216-107-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 470K 6.8K 330 270K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
	R519 R520 R521 R522 R523	I-216-08I-00 I-216-037-00 I-216-025-00 I-215-469-00 I-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL METAL GLAZE	22K 330 100 100K 1K	5% 5% 1% 5%	1/10W 1/10W 1/10W 1/4W 1/10W	 	R570 R591 R592	1-216-045-00 1-216-047-00 1-216-049-00	METAL GLAZE	680 820 1K	5% 5% 5%	(KV-C2961D) 1/10W (KV-C2961D) 1/10W 1/10W
	R524 R525 R526 R527	1-216-057-00 1-216-049-00 1-249-409-11 1-216-077-00	METAL GLAZE METAL GLAZE CARBON METAL GLAZE	2.2K 1K 220 15K	5% 5% 5% 5%	1/10W 1/10W V-C2161D,C2 1/4W F 1/10W	561D)	R593 R594 R597 R598 R600	1-216-053-00 1-216-071-00 1-216-041-00 1-215-900-11 1-249-381-11	METAL GLAZE METAL GLAZE	1.5K 8.2K 470 22K 1	5% 5% 5% 5%	1/10W 1/10W 1/10W 2W F 1/4W
e geer	R528 R529 R530 R531	1-216-031-00 1-216-069-00 1-249-448-11 1-216-099-00	METAL GLAZE METAL GLAZE CARBON METAL GLAZE	180 6.8K 1.2 120K	5% 5% 5% (KV	1/10W 1/10W 1/4W F 1/10W 1-C2561D,C29	961D)	R601 R603	1-216-353-00 1-215-906-11 1-216-469-11	METAL OXIDE METAL OXIDE METAL OXIDE	2.2 15	5% 5% 5%	7-C2561 D, C2961D) 1W F 3W F (KV-C2161D) 3W F
	R532 R533	1-216-049-00 1-216-031-00 1-216-295-00	METAL GLAZE METAL GLAZE	1K 180 0	5% 5% 5%	1/10W /-C2561D.C29 1/10W (KV-C21 1/10W	1	R604 R605 R606 R607	1-216-025-00 1-216-081-00 1-216-051-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 22K 1.2K 4.7K	(KV 5% 5% 5% 5%	-C2561 D, C2961D) 1/10W 1/10W 1/10W 1/10W 1/10W
	R534 R535	1-216-119-00 1-249-753-15	METAL GLAZE Carbon	820K 4.7M	5% 5%	'-C2561D, C29 1/10W 1/4W (KV-C21			1-216-067-00 1-216-488-11	METAL GLAZE METAL OXIDE	5.6K 18K	5% (KV	-C216ID, C256ID) 1/10W (KV-C296ID) 3W F
		1-249-749-00	CARBON	2.2M		1/4W -C2561D, C29		R609	1-216-007-00	METAL GLAZE	18	5%	I/10W
	R538 R539	1-216-129-00 1-216-083-00 1-216-101-00 1-216-101-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2M 27K 150K 150K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R611 R612 R613	1-244-941-00 1-216-015-00 1-216-049-00 1-216-097-00 1-205-758-11	CARBON METAL GLAZE METAL GLAZE METAL GLAZE WIREWOUND	680K 39 1K 100K 100	5% 5% 5% 5% 10%	1/24 1/104 1/104 1/104 1/104 10W F
	R542 R543 R544	1-216-013-00 1-216-091-00 1-216-308-00 1-249-451-11 1-247-745-11	METAL GLAZE METAL GLAZE METAL GLAZE CARBON CARBON	33 56K 4.7 2.2 330	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/4W 1/2W	j 1 1	R617 R618 R619	1-216-099-00 1-216-037-00 1-216-431-11 1-216-073-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GXIDE METAL GLAZE METAL GLAZE	560 10K	5% 5%	1/10) 1/10) 1/10) 1/10)
	DEAC		METAL GLAZE METAL GLAZE METAL GLAZE	22K	5% 5% (KV-	1/10W (KV-C218 1/10W -C2561D,C298 1/10W	61D) 61D)	R622 R623 R624	1-216-077-00 1-216-073-00 1-216-081-00 1-216-067-00 1-215-865-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL OXIDE	15K 10K 22K 5.6K 220	5% 5% 5%	1/10# 1/10# 1/10# 1/10# 1/10# 1# F
	R547	1-216-067-00	METAL GLAZE		5%	1/10W (KV-C216		R626	1-216-037-00 1-216-001-00	METAL GLAZE METAL GLAZE		5%	1/10
ļ		-216-061-00 -216-350-11	METAL GLAZE METAL GXIDE		5% (KV- 5%	1/10W -C2561D, C296 1W F		R629 1	1-216-037-00	METAL GLAZE METAL OXIDE	10 330 27K	5% 5% :	1/100 1/100 2 W C216D, C2561D)
i					5% (KV- 5%	(KV-C216 1W F C2561D, C296 2W F (KV-C216	51D) F			METAL GLAZE METAL OXIDE	1K 5	5%	1/10\ IW F

DV	MV	, ,		ij	And the second s				shading an cal for safe	d mark A ety. ally with pa	are criti-
REF.NO.	PART NO.	DESCRIPTION	! 		REMAR	K REF. N	IO. PART NO.	DESCRIPT	ION		REMARK
R635 R636 R643	1-216-073-00 1-216-073-00 1-217-190-21	O METAL GLAZE [.] O METAL GLAZE		5%	1/10W 1/10W 2W F			ERMISTOR>			
	1-217-189-21	I WIREWOUND	0.12	5%	(KV-C21611 2W F	j	01 1 . 1-808-059-3				-
R651 R653 R802 R805	1-216-025-00 1-205-758-11 1-249-443-11 1-249-448-11	CARBON	100 100 0.47 1.2	5% 10%	V-C2561D, C2961I 1/10W 10W F 1/4W F 1/4W F))¦	************ *1-634-193-11			******	*********
R806 R807	1-216-093-00 1-217-778-11	METAL GLAZE Fusible	68K	5%	1/10W			PACITOR>			
R809 R810 R811	1-202-821-11 1-202-818-00 1-215-863-11	SOLID SOLID	1 K 1 . 8 K 1 K 100	10% 10% 5%	IW F 1/2W 1/2W IW F	C751 C752 C753 C754 C757		MYLAR Film Ceramic	150PF 0.018MF 0.01MF 270PF 0.01MF	5% 10% 10% 5% 10%	50V 100V 400V 50V 200V
•	1-215-882-00	METAL OXIDE	22	5%	XV-C2161D 2 W F V-C2561D, C2961D	C759	1-124-907-11	ELECT	IOMF	20%	507
R812	1-247-285-00		75K	5%	1/2W (KV-C2161D	1 C761	1-124-917-11 1-101-006-00 1-137-047-11	CERAMIC	33MF 0.047MF 0.01MF	20% 10%	50V 50V 400V
	1-249-494-11		68K	5%	1/2W (KV-C2561D))	<c01< td=""><td>L></td><td></td><td></td><td></td></c01<>	L>			
	1-247-281-00		51K	5%	1/2W (KY-C2961D)	L751	1-408-413-00	INDUCTOR	22UH		
		METAL OXIDE	47 680	5%	2W F	L770	1-410-665-31	INDUCTOR	15UH		
R817 R820	1-216-049-00 1-249-403-11	METAL GLAZE CARBON	1K 68	5% 5% 5% 5%	IW F 1/10W 1/4W		<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td></tra<>	NSISTOR>			
R821 R822	1-247-725-11 1-217-778-11	CARBON FUSIBLE	I K Tok	5% 5%	1/4W F IW F	Q751 Q752	8-729-119-78	TRANSISTOR	25C2785-HEE		
R825	1-216-349-00	METAL OXIDE	I	5%	IW F (KV-C2161D)	Q753 Q754	8-729-140-97 8-729-140-96	TRANSISTOR	2SR734-34		
	1-216-345-11	METAL OXIDE	0.47	5% (XV	IW F -C2561D, C2961D)	!	∠n r c	I CMOD.			
	1-216-097-00		100K	5%	1/10W	1	1-249-418-II	ISTOR>	1 02 EW		
R828 R829 R831	1-216-073-00 1-216-059-00 1-216-051-00 1-249-451-11 1-246-513-75	METAL GLAZE METAL GLAZE CARBON	10K 2.7K 1.2K 2.2 47K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/4W 1/4W	R753 R754	1-249-426-11 1-249-414-11 1-249-434-11 1-249-405-11	CARBON CARBON CARBON	1.2K 5% 5.6K 5% 560 5% 27K 5% 100 5%	1/4W 1/4W 1/4W 1/4W 1/4W	÷\$.
R1603 A. R1604 A. R1605A A	1-244-945-91 1-217-328-11 1-246-513-75 1-218-265-91 1-216-073-00	CARBON WIREWOUND CARBON METAL GLAZE METAL GLAZE	1M 2.7 47K 8.2M 10K	5% 10% 5% 5%	1/2W 7W F 1/4W 1W 1/10W	R756 R757 R758 R760 R761	1-249-419-11 1-249-405-11 1-249-409-11 1-249-411-11 1-249-429-11	CARBON CARBON CARBON CARBON CARBON	1.5k 5% 100 5% 220 5% 330 5% 10k 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R5503	1-216-308-00	METAL GLAZE		5%	1/10W	R762 R763		CARBON CARBON	470K 5% 10K 5%	[/4W [/4W	
i	1-216-001-00	METAL GLAZE	10	5% 5%	-C2161D, C2561D) 1/10W	R764 R765	1-249-389-11 1-249-389-11	CARBON CARBON	4.7 5%		F F
R5504	1-216-121-00	METAL GLAZE	IM	5%	(KV-C296ID) 1/10W	R766		CARBON	1.2K 5%	1/2	
R5505 1 R5506 1	1-216-001-00 1-216-075-00	METAL GLAZE METAL GLAZE	10 12K	5% 5%	1/10W 1/10W (KV-C296ID)	R767 R768 R769	1-247-751-11 1-215-887-00 1-212-889-00	CARBON METAL OXIDE FUSIBLE	820 5% 150 5% 220 5%	:/28 :0 :/40	F F
	<var< td=""><td>IABLE RESISTOR></td><td></td><td></td><td></td><td></td><td><conn< td=""><td>ECTOR></td><td></td><td></td><td></td></conn<></td></var<>	IABLE RESISTOR>					<conn< td=""><td>ECTOR></td><td></td><td></td><td></td></conn<>	ECTOR>			
H V 502 1	-238-013-11 -238-016-11	RES, ADJ, CARB RES. ADJ. CARB	ON 2.2			BBMV	*1-568-878-51 *1-568-878-51	PIN, CONNECT	OR 3P		
001 1	. 200 011 11	1-11 RES, ADJ, CARBON 470				***************************************					

#A-1645-022-A V BOARD, COMPLETE (KV-C256D)

*A-1645-013-A V BOARD, COMPLETE (KV-C216D, C2961D)

<SPARK GAP>

SG801 1-519-422-11 GAP, SPARK

The components identified by shading and mark A are critical for safety.

Replace only with part number specified.

REMARK

REF.	NO. PART NO.	DESCRIPTIO	N 		REMAR	K REF.M	10. PAR	T NO.	DE	SCRIPTI	ION	~	
	<ca< td=""><td>APACITOR></td><td></td><td></td><td></td><td></td><td></td><td><</td><td>TRANSIS</td><td>TOR></td><td></td><td></td><td></td></ca<>	APACITOR>						<	TRANSIS	TOR>			
C1 C2 C3 C4 C5	1-163-038-00 1-124-120-11 1-163-077-00 1-124-120-11	CERAMIC CHIE ELECT	220MF 0.1MF 220MF 220MF	20% 20% 20%	25V 16V 50V 16V	Q1 Q2 Q3 Q4 Q5	8-7; 8-7; 8-7;	29-900- 29-920- 29-120-2	53 TRA 92 TRA 28 TRA	NSISTOR NSISTOR NSISTOR NSISTOR NSISTOR	2SD20 2SC16	96-EF 23-L5L6	5 5
C6 C7 C8	1-163-235-11		22PF	5%	25V 50V (KV-C2561D	Q6 Q7) Q8	8-72	/9-XU/-2	TRA	NSISTOR NSISTOR NSISTOR	258120	E-111 C	
C9		CERAMIC CHIP			50V (KV-C2561D)			ESISTOI		250102	ישנים כי	!
C10 C11 C12	1-163-038-00 1-163-038-00 1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 0.1MF 0.1MF		25V 25V 25V 25V	JR01 JR02 JR03 JR08 JR09	1-21 1-21 1-21	6-295-0 6-295-0 6-295-0 6-295-0 6-295-0	O META O META O META	AL GLAZE AL GLAZE AL GLAZE AL GLAZE AL GLAZE	0 0 0 0	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W
C13 C14 C15 C16 C17	1-163-141-00 1-163-141-00	ELECT CERAMIC CHIP CERAMIC CHIP	0.001MF 0.001MF	20% 20% 5% 5%	25V 50V 50V 50V 50V	JR11 JR14 JR17 JR18 JR19	1-21 1-21 1-21 1-21	6-295-0 6-296-0 6-295-0 6-296-0 6-296-0	O META O META O META O META	L GLAZE L GLAZE L GLAZE L GLAZE	0 0 0	5% 5% 5% 5% 5%	1/10W 1/8W 1/8W 1/10W 1/8W
C18 C26 C27 C28 C29	1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF	5% 5% 5%	50V 25V 50V 50V 50V	JR20	1-210	-296-00) META	L GLAZE L GLAZE L GLAZE L GLAZE L GLAZE	0	5% 5% 5% 5%	1/8W 1/8W 1/8W 1/10W 1/8W
C32 C33	1-163-038-00 1-163-038-00	CERAMIC CHIP	0.1MF 0.1MF		25 V 25 V	JR26	1-216	-296-00 -296-00	META	L GLAZE L GLAZE	0	_	1/8 W 1/8 W
	<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td>JR204 JR207</td><td>1-216 1-216</td><td>-295-00 -295-00 -295-00</td><td>MET AL MET AL</td><td>GLAZE GLAZE GLAZE</td><td>0 0 0</td><td>5% 5% 5%</td><td>1/LOW 1/LOW 1/LOW</td></con<>	NECTOR>				JR204 JR207	1-216 1-216	-295-00 -295-00 -295-00	MET AL MET AL	GLAZE GLAZE GLAZE	0 0 0	5% 5% 5%	1/LOW 1/LOW 1/LOW
CNV1 CNV2	*1-565-393-11 *1-565-393-11	CONNECTOR, BO	ARD TO BOARI ARD TO BOARI	D D		JR208	1-216	-295-00 -295-00	METAL	. GLAZE	0	5%	1/10W 1/10W
	< D I O I	DE>				JR213 JR219 JR220	1-216 1-216 1-216	-295-00 -296-00 -295-00	METAL METAL METAL	GLAZE GLAZE GLAZE	0	5% 5% 5% 5%	1/10W 1/1W 1/10W
D1 D3 D4 D5	1-163-177-00 1-163-117-00 1-163-038-00 1-163-038-00 <con *1-565-393-11 *1-565-393-11 <dioi 8-719-105-91 8-719-104-34 8-719-400-18 8-719-914-44 8-719-104-34 8-719-104-34</dioi </con 	DIODE RD5.6M- DIODE DAP202K DIODE 1S2836 DIODE MA152WK DIODE DAP202K	B2 (KV-C2161D, (KV-C2561D) (KV-C2161D,	. C2961 C2961	D) D)	JR223 R1 R3 R4 R5	1-710.	-()4/-()()	METAL	GI A 7 F	0 470 1K 100 820	5% 5% 5% 5%	1/10 W 1/10 W 1/10 W 1/10 W 1/10 W
D6 D7	8-719-400-18	DIODE MA152WK	•			R6 R7	1-216-	-001-00 -083-00	METAL	GLAZE	10 27K	5%	1/ID W
D9	8-719-105-52 8-719-106-17	DIODE RDS.6M-E	32 32		, 1 1 1 2 2	R8 R9 R02 R10	1-216- 1-216- 1-216-	071-00 308-00 214-00 325-11	METAL METAL METAL METAL	GLAZE GLAZE GLAZE	8.2K 4.7 4.7K 120	5% 5% 5% 5%	1/1) W 1/1) W 1/1) W 1/8) 1/4)
I C1 I C2 I C3	8-759-039-18 8-759-045-54 8-759-510-49	IC SAA5246P/F/	MAA			R11 R12 R13 R14 R15	1-218- 1-218- 1-216- 1-216- 1-216-	325-11 025-00 001-00	METAL METAL METAL METAL METAL	GLAZE GLAZE GLAZE	120 120 100 10 33	5% 5% 5% 5%	1/4 1/4 1/1 (4) 1/1(4) 1/1(4)
L1 L2 L3 L4	I -408-407-00 I	> I NDUCTOR I NDUCTOR I NDUCTOR I NDUCTOR	3.3UH 6.8UH 6.8UH 6.8UH			R17 R18 R19	1-216- 1-216- 1-216- 1-216- 1-216-	013-00 025-00 025-00	METAL METAL METAL METAL METAL	GLAZE GLAZE GLAZE	33 33 100 100 470	5% 5% 5% 5%	1/1W 1/1W 1/1W 1/1W 1/1W
PS1 🛦	<ic li<br="">1-532-679-91 L</ic>	NK> INK, IC 0.6A		tura ne si si	e e saka taura	R23 R24	1-216-0 1-216-1 1-216-2 1-216-0 1-216-0	168-00. 214-00 155-00	METAL (METAL (METAL (METAL (GLAZE GLAZE GLAZE	470 56 4.7K 1.8K 4.7K	5% 5%	1/10/ 1/8W 1/8W 1/10/ 1/10/

V	H2	H1	J1

REF. NO.	PART NO.	DESCRIPTION	_			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R26 R27 R28	1-216-049-00 1-216-214-00 1-216-067-00	METAL GLAZE METAL GLAZE	1K 4.7K 5.6K 4.7K	5% 1/5% 1/5% 1/5% 1/5% 1/5%	10W 8W 10W		C1655	1-102-074-00 <con< td=""><td>CERAMIC (</td><td>0.001MF</td><td>10%</td><td>50V</td></con<>	CERAMIC (0.001MF	10%	50V
R34 R35 R40 R41 R42 R44 R46	1-216-065-00 1-216-065-00 1-216-065-00 1-216-065-00 1-216-049-00 1-216-295-00 1-216-065-00	METAL GLAZE	4.7K 4.7K 4.7K 4.7K 1K 0 4.7K	5% 1/ 5% 1/ 5% 1/ 5% 1/ 5% 1/	10W 10W 10W 10W 10W		H1-02 H1-4 H1-05 H1-23	*1-568-881-51 1-568-678-11 *1-568-879-51 1-562-837-11 *1-568-879-51 *1-568-877-51	TERMINAL BLUC PIN, CONNECTO JACK PIN, CONNECTO	K, 5 3P R 4P R 4P R 2P (KV-C2	961D)	
R47 R49 R50	1-216-065-00 1-216-049-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 1K 0	5% 1/ 5% 1/ 5% 1/	10W 10W 8W		HI-43	*1-564-512-11	PLUG, CONNECT	OR 9P		
RV1		RES, ADJ, CA		₹			R1651 R1652	1-249-413-11 1-249-413-11 <swi< td=""><td>CARBUN</td><td>470 5% 470 5%</td><td>1/4W 1/4W</td><td></td></swi<>	CARBUN	470 5% 470 5%	1/4W 1/4W	
X1 X2	1-579-266-31 1-577-364-11	'STAL> CRYSTAL VIBR VIBRATOR, CE	RAMIC				S1652 S1653	1-571-532-21 1-571-532-21 1-571-532-21	SWITCH, TACTI	L L	******	******
	*1-638-392-11 *1-638-745-11 *4-374-987-01 *4-381-686-01	H2 BOARD (KV	- C2161 1 -C25611	D, C2961D) D)	***	*****		*A-1651-018-A *A-1651-023-A *A-1651-038-A	J1 BOARD, COM	PLETE (KV-C ***** PLETE (KV-C ***** PLETE (KV-C	(2161D) (2561D)	
	8-719-948-31	HOLDER, LED; DIODE LD-201	VR VR				C203 C205 C206 C207 C213	1-124-925-11 1-124-927-11 1-124-925-11 1-124-927-11 1-126-233-11	ELECT	2.2MF 4.7MF 2.2MF 4.7MF 22MF	20% 20% 20% 20% 20%	50V 50V 50V 50V 50V
D1654	8-719-948-31 *4-201-076-01	DIODE LD-201 HOLDER, LED; INNECTOR>	VR				C214 C217 C218 C219 C220	1-137-045-11 1-137-045-11 1-137-102-11 1-137-102-11 1-108-686-11	FILM FILM FILM	0.0068MF 0.0068MF 0.022MF 0.022MF 0.0033MF	10% 10% 10% 10% 10%	400V 400V 250V 250V 100V
,	*1-568-882-51	PIN, CONNECT					C221 C222 C223 C224 C225	1-108-686-11 1-137-095-11 1-137-095-11 1-137-047-11 1-136-173-00	FILM FILM FILM	0.0033MF 0.056MF 0.056MF 0.01MF 0.47MF	10% 10% 10% 10% 5%	100V 100V 100V 400V 50V
I C165 R1662		ESISTOR>	11 470	5 % 1	[/4W		C226 C227 C228 C229 C230	1-136-173-00 1-137-102-11 1-137-104-11 1-137-049-11 1-137-049-11	FILM FILM FILM	0.47MF 0.022MF 0.033MF 0.015MF 0.015MF	5% 10% 10% 10% 10%	50V 250V 250V 400V 400V
****		1 H1 BOARD (K ************************************	V-C216	1D,C2961D)		******	** C231 C232 C233 C234 C235	1-124-902-00 1-124-907-11 1-163-005-11 1-163-005-11 1-163-005-11	ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	470PF 470PF	20% 20% 10% 10% 10%	50V 50V 50V 50V 50V
C1651 C1652	1-102-106-0 1-102-106-0	APACITOR> O CERAMIC O CERAMIC	100P 100P	F 19	0% 0%	50 Y 50 Y	C236 C237 C238 C239 C240	1-163-005-11 1-124-902-00 1-163-125-00 1-126-103-11 1-163-018-00	ELECT CERAMIC CHIP ELECT	0.47MF 220PF 470MF 0.0056MF	107 207 57 207 107	50V 50V 50V 16V 50V
C1653	i-102-074-0	O CERAMIC	0.00		0%	50V	C241	1-103-016-00		0.00Jons		

	REF.	NO.	PART	NO.		DESCR	IPTIC) N		e	REMAI	RK	REF.N	0.	PART	NO.		DE	SCRII	P T I O	N			
	C24 C24 C24 C24 C14	2 3 4 5 01	1-16 1-16 1-16 1-16 1-12	3-033- 3-033- 3-033- 3-033- 4-907-	-00 -00 -00 -00	CERAMI CERAMI CERAMI CERAMI ELECT	E CHI C CHI C CHI	P 0.022M P 0.022M P 0.022M P 0.022M IOMF	(F (F (F	20%	50V 50V 50V 50V		J1-4 J1-4 J1-5	3 * 4 * 1 *	1-56 1-56 1-56	4-524 4-527 6-641	4-11 7-11 1-11	PLU PLU CON	G, CO G, CO NECTO	ONNE ONNE OR, I	- CTOR CTOR HINGE	9P 12P (TAB)	18P	
	C140 C140	02 03	1-12 1-16	6-103- 3-003-	11	ELECT	ר רווז	470MF P 330PF 0.1MF		20%	16V 50V 100V						<di< td=""><td>ODE></td><td></td><td></td><td></td><td></td><td></td><td></td></di<>	ODE>						
	C140 C140 C140	06	1-13	7-029-	11	FILM	. CHII	0.0047 0.1MF	MF	10%	100V 50V 100V	; ; ; ; ;	D205 D206	į	8-719 8-719 8-719)-110)-110 !-110	-14 -03 -03	1010 1010 1010 1010	E RD	9.1E 7.5E	S-B3 S-B2	•		
	6141	08 09 10 1	1-12 1-12 1-12 1-12 1-12	4-910- 4-122- 5-233- 4-907- 4-907-	11 11 11 11	ELECT ELECT ELECT ELECT ELECT		47MF 100MF 22MF 10MF 10MF		20% 20% 20% 20% 20%	50V 50V 50V 50V 50V		D1403 D1404 D1405 D1406	. 8	3-719 3-719 1-719	-110 -110 -110 -110	-03 -03 -03 -03	0010 0010 0010	E RD' E RD' E RD' E RD'	7.5E 7.5E 7.5E	S-B2 S-B2 S-B2			
	C141 C141 C141 C141	2 3 4 5 6	I-124 I-124 I-124 I-137 I-137	1-910- 1-910- 1-907- 1-098- 1-098-	11 11 11 11	ELECT ELECT ELECT FILM FILM		47MF 47MF 10MF 0.1MF 0.1MF		20% 20% 20% 10% 10%	50V 50V 50V 100V		D1407 D1408 D1409 D1410 D1415	88888	-719 -719 -719 -719	-110- -110- -110-	-14 -14 -14	D10D1 D10D1 D10D1 D10D1	E RD9 RD9 RD9). IES). IES). IES	S-B3 S-B3 S-B3 S-B2			
•		7 8 9 5	I - 124 I - 163 I - 163 I - 124 I - 124	-120-1 -003-1 -003-1 -902-0 -902-0	1 1 10 00	ELECT CERAMIC CERAMIC ELECT ELECT	CHIP	220MF 330PF 330PF 0.47MF		20% 10% 10% 20% 20%	16V 50V 50V 50V 50V		D1418 D1419 D1420 D1421 D1422	8-8-8-8-8	-719- -719- -719-	-110- -110- -110-	03 03 03	DIODE DIODE DIODE	RD7	. 5ES . 5ES . 5ES	-82 -82 -82			
	C1427 C1428 C1429 C1430 C1431	7 1 3 1 9 1 1 1	-163 -163 -163 -163 -126	-029-1 -029-1 -029-1 -029-1 -003-1 -529-1	1 1 1 1 1	CERAMIC CERAMIC CERAMIC CERAMIC GLECT	CHIP CHIP CHIP CHIP	0.0047M 0.0047M 0.0047M 330PF 0.47MF	F F	10% 20%	50V 50V 50V 50V 50V		D1423 D1424 D1425 D1426 D1501	8- 8- 8-	-719- -719- -719-	110-0 110-0 110-0	03 03 03	DIODE DIODE DIODE	RD7 RD7 RD7	. 5ES . 5ES . 5ES	-B2			
	C1436 C1437 C1438	I I I I	-124 -124 -163 -163 -137	-902-0 -122-1 -009-1 -009-1 -047-1	0 H I H I (1 H	ELECT ELECT EERAMIC EERAMIC	CHIP CHIP	0.47MF 100MF 0.001MF 0.001MF 0.01MF		20% 20% 10% 10% 10%	50V 50V 50V 50V 400V		D1502 D1503 D1504 D1505 D1506	8- 8- 8- 8-	719- 719- 719- 719-	911-1 911-1 911-1 911-1	19 19 19	DIODE	1551 1551 1551	119 119 119 119)			
	C1439 C1440 C1441 C1442 C1443	I - I - I -	-137- -124- -124- -137- -137-	-047-1 -907-1 -907-1 -098-11	I F I E I F	TLM LECT LECT ILM		0.01MF 10MF 10MF 0.1MF 0.1MF		10% 20% 20% 10% 10%	400V 50V 50V 100V 100V		D1507 D1510	8-	719-9	911-1	9	DIODE	1551	19				
	C1444 C1445 C1446 C1501 C1502	1-	124-	910-11 824-00 824-00 927-11 903-11	Ě	LECT ERAMIC ERAMIC LECT LECT		47MF 470PF 470PF 4.7MF IMF		20% 5% 5% 20% 20%	50V 50V 50V 50V 50V	İİ	C201 C1401 C1402 C1403 C1501	8-7	759-1	40~5. 40~51	2 I 3 I	C HEA	2014. 4053	A Rr				
	C1503 C1504 C1505 C1507 C1508	[- [- [-	I 24~ I 37~ I 08~	680-11 910-11 094-11 686-11 903-11	EI F M	YLAR LECT ILM YLAR LECT	(0.001MF 47MF 0.047MF 0.0033MF LMF		10% 20% 10% 10% 20%	100V 50V 100V 100V 50V	J	1402	1-5	61-5	<j; 34-41</j; 	ACK>		21P					
	C1509 C1511	1-	124-4	903-11 927-11	EI	ECT ECT		MF 1.7MF		20% 20%	50Y 50Y					∠T D	ANC	I C T A D \						
	C1512 C1513			0 45 -11 105-00		LM Gramic c		0.0068MF	(KV	10% -C21611	400V),C2561D)	Q2	201 8	3-7	29-12	20-28	T	ISTOR: RANSIS	TOR	2SC1	623-!	51.6		
	C1514			102-11				.022MF		5% 10%	50V 250V	Q 1	1401 8	3-7:	29-21	0-28 6-22	T I T I	RANSIS RANSIS	TOR	2SCI 2SA1	623-L 162-G	5L6		
	C1515							20PF	(KA	-C21610 10%	, C2561D) 50V	Q1	1403 8	3-7:	29-12	0-28 0-28	Τf	RANSIS RANSIS	TOR :	2SC1	623-L	5L6 5L6		
									(KV	-C2161D	, C2561D)	Q1	404 8	-72	29-21	6-22	TR	RANSIS	TOR 2	2SA1	162-G			
	<pre><connector> CN1401 I-565-838-11 JACK BLOCK, PIN 2P II-41 *1-566-838-11 JACK BLOCK, PIN 2P</connector></pre>												<res< td=""><td>SIST</td><td>OR></td><td></td><td></td><td></td><td></td><td></td><td></td></res<>	SIST	OR>									
•	.n14UI J1-41 *	1-5 1-5	65-8 66-6	38-11 41-11	JA CO	CK BLOCK NNECTOR	K, PII HING	N 2P GE (TAB)	186	>	-	R2 R2	01 I 02 I	-21 -21	6-07 6-20	9-00 6-00	ME	TAL GI	LAZE LAZE	18	3K ! .2K !	5% 5%	1/10W 1/8W	

REF. NO	. PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R203 R204 R205 R206 R207	1-216-075-00 1-216-085-00 1-216-085-00 1-216-061-00 1-216-061-00	METAL GLAZE METAL GLAZE	12K 33K 33K 3.3K 3.3K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1421 R1422 R1423 R1424	1-216-295-00 1-216-295-00 1-216-025-00 1-216-083-00 1-216-083-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 0 100 27K 27K		1/10W 1/10W 1/10W 1/10W 1/10W	
R208 R209 R210 R211 R212	1-216-077-00 1-216-081-00 1-216-077-00 1-216-097-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	15K 100K 22K	5% 5% 5%	1/10W 1/10W 1/10W		R1425 R1426 R1427 R1428	1-216-045-00 1-216-025-00 1-216-001-00 1-216-113-00 1-216-113-00 1-216-170-00	METAL GLAZE	100 10 470K 470K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R213 R214 R215 R216 R217	1-216-077-00 1-216-033-00 1-216-081-00 1-216-081-00 1-216-077-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22K 22K 15K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R1431 R1432 R1433 R1434	1-216-041-00 1-216-041-00 1-216-033-00 1-249-393-11	METAL GLAZE METAL GLAZE METAL GLAZE CARBON	470 470 220 10	5% 5% 5% 5%	1/8W 1/10W 1/10W 1/10W 1/4W F	
R218 R219 R220 R221 R222	1-216-033-00 1-216-073-00 1-216-057-00 1-216-041-00 1-216-041-00	METAL GLAZE	470	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R1440 R1441 R1442 R1443	1-249-434-11 1-216-045-00 1-216-045-00 1-216-089-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	27K 680 680 47K 47K	5 %%%%%% 5555555	1/4W 1/10W 1/10W 1/10W 1/10W	
R223 R224 R225 R226 R227	1-216-049-00 1-216-049-00 1-216-049-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 1K 1K 1K 220	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1445	1-216-033-00 1-216-095-00 1-216-033-00 1-216-033-00 1-216-025-00 1-216-023-00	METAL GLAZE	82K 220 220 100 82	5% % % % % % % % % % % % % % % % % % %	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	
R229 R230 R231 R232 R233	1-216-075-00 1-216-079-00 1-216-073-00 1-216-073-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE		5% 5% 5%	1/10W 1/10W 1/10W		R1452 R1453	1-216-049-00 1-216-049-00	METAL GLAZE	1K 1K 180 180	555555	1/10W 1/10W 1/10W 1/8W 1/8W 1/10W	
R234 R235 R236 R240	1-216-057-00 1-216-295-00 1-216-295-00 1-216-033-00 1-216-091-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 2.2K 0 0 220	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R1459 R1460 R1461 R1462	1-216-180-00 1-216-180-00 1-216-025-00 1-216-025-00 1-216-053-00 1-216-190-00 1-216-057-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 1.5K 470 2.2K 1K	5% 5% 5%	1/10W 1/10W 1/10W 1/8W 1/10W	
R242 R243 R244 R245	1-216-091-00 1-216-075-00 1-216-067-00 1-216-075-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	56K 12K 5.6K 12K 5.6K	5% 5% 5% 5%			R1464 R1465 R1466 R1467	1-216-061-00 1-216-023-00 1-216-033-00 1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 82 220 100 100		1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	
R247 R248 R249 R250 R1400	1-216-075-00 1-216-067-00 1-216-075-00 1-216-067-00 1-216-295-00	METAL GLAZE METAL GLAZE	12K 5.6K 12K 5.6K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R1469 R1470 R1471 R1472	1-216-025-00 1-216-025-00 1-216-023-00 1-216-023-00 1-216-023-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE				
R1401 R1402 R1403 R1404 R1405	1-216-023-00 1-216-170-00 1-216-089-00 1-216-178-00 1-249-434-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE CARBON	82 68 47K 150	5% 5% 5% 5%	1/10W 1/8W 1/10W 1/8W		R1474 R1476 R1477 R1478	1-216-113-00 1-216-089-00 1-216-089-00 1-216-113-00 1-216-190-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470K 47K 47K 470K 470K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R1407 R1408 R1409 R1410	1-216-113-00 1-216-089-00 1-216-041-00 1-216-089-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470K 47K 470 47K 47K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R1482 R1483 R1484 R1485	1-216-178-00 1-216-178-00 1-216-073-00 1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	150 150 10K 10K 10K	5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/8W 1/8W 1/10W 1/10W 1/10W	
R1412 R1413 R1414 R1415	1-216-089-00 1-216-113-00 1-216-089-00 1-216-083-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	47K 470K 47K 27K 27K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R1487 R1488 R1489 R1501	1-216-065-00 1-216-065-00 1-216-065-00 1-216-081-00 1-216-083-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 4.7K 4.7K 4.7K 22K 27K	555555555555555555555555555555555555555	1/10W 1/10W 1/10W 1/10W 1/10W	
R1417 R1418 R1419	1-216-083-00 1-216-023-00 1-247-738-11 1-216-295-00	METAL GLAZE CARBON METAL GLAZE	82 82 0	5% 5% 5% 5%	1/10W 1/2W 1/10W	F	R1503	1-216-113-00 1-216-085-00	METAL GLAZE	470K 33K	5% 5%	1/10W 1/10W	

J1 IFG

000	NO. PART NO.	DESCRIPTIO	าม	e.		. 1000 4	0 0.00 40		<u>L</u>		ــــــــــــــــــــــــــــــــــــــ
ner.	NO. FARI NO.	DESCRIPTION	- -		HEMAKK	REF.N	O. PART NO.	DESCRIPTIO			REMARK
R15 R15 R15 R15 R15	06 1-216-113-00 09 1-216-105-00 10 1-216-067-00) METAL GLAZE) METAL GLAZE	470K 220K 5.6K	5% 1, 5% 1, 5% 1,	/10W /10W /10W /10W /10W	C21 C22 C23 C24 C25	1-126-233-1 1-137-098-1 1-137-031-1 1-124-034-5 1-137-102-1	I FILM I FILM I ELECT	22MF 0.1MF 0.22MF 33MF 0.022MF	20% 10% 10% 20% 10%	50V 100V 100V 16V 250V
R15 R15 R15 R15	13 1-216-091-00) METAL GLAZE) METAL GLAZE	56K 1K	5% 1/ 5% 1/ 5% 1/	/10W /10W /10W /10W 2161D,C2561D	C26 C27 C28 C29 C30	1-137-094-1 1-124-903-1 1-163-109-0 1-124-903-1 1-124-903-1	I ELECT O CERAMIC CHI I ELECT	0.047MF IMF P 47PF IMF IMF	10% 20% 5% 20% 20%	100V 50V 50V 50V 50V
R151	9 1-216-101-00	METAL GLAZE METAL GLAZE	220 150K	5% 1/ 5% 1/ 5% 1/	(10W (10W (10W (10W (10W) (161D, C2561D)	C31 C32 C33 C34 C35	1-137-047-1 1-130-479-00 1-163-081-00 1-137-031-11 1-124-907-1	O MYLAR O CERAMIC CHII I FILM	0.01MF 0.0047MF 0.22MF 0.22MF 10MF	10% 5% 10% 20%	400V 50V 25V 100V 50V
R152 R155	1-216-111-00 1 1-216-214-00 0 1-216-349-00	METAL GLAZE METAL GLAZE METAL OXIDE		5% 1/	F	C38	1-124-477-11 1-124-477-11		47MF 47MF	5% 20% 20% 5%	50V 16V 16V 50V
R155	6 1-216-067-00	METAL GLAZE	5.6K	5% 1/	(KV-C2961D) 10W	!	्र ।	LTER>			
	Z11.1	OTABLE Decienc	20.	- -		CDAI	1-404-751-11	DISCRIMINATO	R, CERAMIC		
RV150	01 1-238-023-11 02 1-238-016-11 03 1-238-017-11	RES, ADJ, CA	ARBON 476 ARBON 101 ARBON 221	((CDA2 SFT1 SFT2	1-404-750-11 1-527-840-00	DISCRIMINATO FILTER, CERA FILTER, CERA	R, CERAMIC MIC		
RV150	04 1-238-012-11 05 1-238-023-11	RES. ADJ. CA	RRAN 1K				<di< td=""><td>ODE></td><td></td><td></td><td></td></di<>	ODE>			
RV150	06 1-238-017-11 07 1-238-009-11	RES, ADJ, CA	RBON 22k	(D3	8-719-400-18	DIODE MA152W	K		
RVIDU	08 1-238-016-11 09 1-238-023-11	RES. ADJ. CA	RBON TOK	ľ		1	<10	>			
	**** ********				******		8-759-003-90 8-759-003-90	IC TBA129			
	*A-1654-004-A	*********	******			I C3 I C4	8-759-030-48 8-759-513-48	IC TDA6600-2 IC TDA2595/V9)		
	*A-1654-005-A *A-1654-008-A	*********	******		•		<c0}< td=""><td>INECTOR></td><td></td><td></td><td></td></c0}<>	INECTOR>			
	-n 1034-006-A	**********	******	(KV-CZ961	ט)	IFG13	*1-565-488-11	CONNECTOR, BC	ARD TO BOAR	D 12P	
	<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td></td><td><001</td><td>L></td><td></td><td></td><td></td></cap<>	ACITOR>					<001	L>			
C1 C2 C3 C4 C5	1-163-031-11 1-163-031-11 1-163-031-11 1-163-031-11 1-163-031-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF 0.01MF 0.01MF		50V 50V 50V 50V 50V	L1 L2 L3 L4 L5	1-408-410-00 1-408-410-00 1-410-064-11 1-408-421-00 1-408-421-00	INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR	12UH 12UH 2.7MMH 100UH 100UH		
C6 C7 C8 C9 C10	1-163-031-11 1-124-903-11 1-124-907-11 1-130-471-00 1-163-121-00	CERAMIC CHIP BLECT BLECT MYLAR CERAMIC CHIP	1MF 10MF 0.001MF	20% 20% 5% 5%	50V 50V 50V 50V 50V	Q2 Q3 Q4	<tra 8-729-901-00 8-729-216-22 8-729-901-00</tra 	NSISTOR> TRANSISTOR DT TRANSISTOR 2S TRANSISTOR DT	A1162-G		
C11 C12 C13 C14 C15	1-124-477-11 1-124-477-11	CERAMIC CHIP FILM ELECT ELECT ELECT	120PF 0.0033MF 47MF 47MF 47MF	5% 2% 20% 20% 20%	50V 100V 16V 16V 16V	JR8 JRIO		ISTOR> METAL GLAZE METAL GLAZE		1/8W	
C16 C17 C18	I-1 24-477-11 I-I 24-907-11 I-1 37-047-11	ELECT ELECT FILM	47MF 10MF 0.01MF	20% 20% 10%	16V 50V 400V	RI R2 R3	1-216-045-00 1-216-043-00 1-216-043-00	METAL GLAZE	0 5% 0 5% 680 5% 560 5% 560 5%	1/8W 1/10W 1/10W 1/10W	
C19 C20	I-I 37-047-11	FILM	0.01MF 22MF	10% 20%	400V 50V	R5	1-216-045-00	METAL GLAZE	680 5%	1/10W	
					i	R6	1-216-043-00	METAL GLAZE	560 5%	1/10W	

The components identified by shading and mark $\hat{\Delta}$ are critical for safety. Replace only with part number specified.

REMARK

DESCRIPTION

*4-384-027-01 BAG, PROTECTION (KV-C2961D)

1-465-796-11 CONTROL UNIT, REMOTE (RM-816) 4-031-670-01 COVER, POCKET (FOR RM-816)

REMOTE COMMANDER

DEC NO DARR NO	D000010010			
REF.NO. PART NO.	DESCRIPTION	u.	REMARK	REF.NO. PART NO.
R9 I-216-073-(R11 1-216-095-(R12 I-216-097-(OO METAL GLAZE 560 OO METAL GLAZE 10K OO METAL GLAZE 82K OO METAL GLAZE 100K OO METAL GLAZE 8.2K	5% 1/10w 5% 1/10w 5% 1/10w 5% 1/10w 5% 1/10w		*4-384-02 7
R15 1-216-059-0 R16 1-216-097-0 R17 1-216-097-0 R18 1-216-063-0 R19 1-216-097-0	DO METAL GLAZE 100K DO METAL GLAZE 100K DO METAL GLAZE 3.9K	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W		1-465-796 4-031-670
R20 1-216-075-0 R22 1-216-099-0 R24 1-216-089-0 R25 1-216-077-0		5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W		
<٧	ARIABLE RESISTOR>			
RV2 [-238-019-1	I RES, ADJ, CARBON 10 I RES, ADJ, CARBON 47	'K		
Ж	ISCELLANEOUS			
\$\begin{align*} \$\begin{align*} \$1-426-383-1 \\ \$1-426-372-1 \\ \$1-426-398-1 \\ \$1-451-295-1 \\ \$1-451-311-2 \end{align*}	I COIL, DEMAGNETIZATI I COIL, DEMAGNETIZATI I DEFLECTION YORE (Y2	ON (KV-C2561D) ON (KV-C2961D) 1PFA2) (KV-C21)	6ID) 1D)	
▲ 1-451-313-21 1-452-032-00 1-452-094-00 1-452-277-00 ▲ 1-452-509-42) MAGNET, DISK; 10MM) MAGNET, ROTATABLE D) MAGNET, BMC (KV-C21	ø ISK; 15MM ø 51D)	10)	
1-544-525-11 1-504-146-11 ♠ 1-590-501-11	SPEAKER (5X11CM) (K	/-C2561D,C29610	(2961D) ()	
V901	PICTURE TUBE (A59JW)	IGIX) (KV-02561	.D) ;	
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ACCESSU ******	RIES AND PACKING MATER	1ALS ****	i 1	
3~755-462-11	MANUAL, INSTRUCTION FRENCH/DUTCH/ITALIAN	(GERMAN/ENGLIS /PORTUGUESE)	H/	
*4-033-049-01 *4-033-050-01		Y) (KV-C2161D)	2161D)	
*4-033-051-01 *4-380-340-01 *4-202-040-01 *4-202-041-01 *4-202-042-01	INDIVIDUAL CARTON (K BAG, PROTECTION (KV- INDIVIDUAL CARTON (K CUSHION (UPPER) (ASS CUSHION (LOWER) (ASS	C2161D) V-C2561D) Y) (KV-C2561D)		
4-200-974-11	MANUAL, INSTRUCTION FRENCH/DUTCH/ITALIAN	/PORTUGUESE)	į	
*4-396-065-01 *4-202-005-01	BAG, PROTECTION (KV-INDIVIDUAL CARTON (K	(KV-C2 C2561D)	256 ID)	
*4-202-006-01 *4-202-009-01 4-200-973-11	CUSHION (UPPER) (ASS CUSHION (BOTTOM) (KY- MANUAL, INSTRUCTION FRENCH/DUTCH/ITALIAN,	Y) (KV-C2961D) -C2961D) (GERMAN/ENGLISH /PORTUGUESE)	961D)	

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